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No. 54

ILLINOIS PETROLEUM
Printed by Authority of the State of Illinois

Aug. 24, 1946

Oil and Gas Development in Illinois in 1945

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IN 1945, Illinois produced 75,210,000 bbl. of oil, or 4.4 per cent of the total for the United States, and ranked sixth in the nation in oil production for the third consecutive year. Production decreased about 3 per cent from that of 1944, when the total Illinois production was 77,413,000 bbl. This is the smallest percentage of decrease in production in the state for any year since a peak was reached in 1940. Daily average production for 1945 was approximately 206,000 bbl. Daily averages by months were as follows:

MONTH	BARRELS	MONTH	BARRELS
Jan.....	205,000	July.....	207,000
Feb.....	210,000	Aug.....	208,000
Mar.....	206,000	Sept.....	192,000
Apr.....	205,000	Oct.....	206,000
May.....	209,000	Nov.....	209,000
June.....	207,000	Dec.....	208,000

Decreased production during September was due to refinery shutdowns caused by a strike, which caused many wells to be shut down for lack of room in storage tanks.

During the year, 1763 wells were drilled for oil or gas as compared with 1991 in 1944, a decrease of about 12 per cent. In addition, 14 completions of salt-water disposal wells and three of gas-input wells were reported. These numbers are short of the number of wells actually drilled for salt-water disposal and for secondary recovery operations, but the total figures for wells of these types are not available. Of the 1763 wells drilled for oil and gas, 1079 were oil wells

and 684 were dry holes. No gas well was completed during 1945. Producing wells made up 61 per cent of the wells completed, as in 1944.

Data on production and drilling by fields are given in Table 1, on annual production and drilling for Illinois in Table 3, and on drilling in 1945 by counties in Table 5.

DISCOVERIES

Twenty-six fields (Table 2A), 47 extensions to fields (Table 2B), and 26 new producing zones in fields (Table 2C) were discovered in 16 counties in Illinois during 1945. Of the 26 new fields, one was abandoned during the year. The three new fields with the greatest number of producing wells at the end of 1945 were Brownsville with 32 wells, Odin with 21, and Stanford with 9. In all, 97 wells were producing in the new fields on Dec. 27, 1945, as compared with 109 wells producing at the end of 1944 from the 28 new fields discovered during that year.

The average initial production of the discovery wells of new fields decreased from 129 bbl. of oil for 1944 to 110 bbl. for 1945 and increased from 11 bbl. of salt water for 1944 to 25 bbl. for 1945.

In fields discovered since 1936, the total number of wells producing at the end of 1945 was 13,432.

EXPLORATORY DRILLING

Of the total number of wells drilled during 1945, wildcats accounted for 460 (or 26 per cent), (Table 4). Of this number 73 (or 16 per cent) were successful in obtaining

Manuscript received at the office of the Institute May 2, 1946.

TABLE 1.—*Oil and Gas Production in Illinois*

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells ^c		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^d	Millions Cu. Ft. ^e		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
1	Warrenton-Borton, Edgar	1906	100	30,000	0	0	0	22	0	0	
2	Westfield, Clark, Coles	1904	9,075	x	x	x	0	1,631	1	1	
3			9,025	x	x	x	0	189	1	1	
4			9,000	x	x	x	0	1,449	0	0	
5			220	x	x	x	0	13	0	0	
6	Siggins, Cumberland, Clark	1906	3,685	x	137,000	x	0	999	2	1	
7			3,190	x	x	x	0	857	2	1	
8			450	x	x	x	0	90	0	0	
9			960	x	x	x	0	193	0	0	
10	York, Cumberland, Clark	1907 ²	350	x	0	x	0	70	0	0	
11	Casey, Clark	1906	1,980	x	x	x	0	535	0	0	
12			205	x	x	x	0	41	0	0	
13			400	x	x	x	0	82	0	0	
14			1,540	x	x	x	0	322	0	0	
15	Martinsville, Clark	1907	865	x	x	x	0	219	0	1	
16			35	x	x	x	0	7	0	0	
17			310	x	x	x	0	64	0	1	
18			710	x	x	x	0	23	0	0	
19			600	x	x	x	0	35	0	0	
20			640	x	x	x	0	40	0	0	
21			10	x	x	x	0	2	0	0	
22	Johnson North, Clark	1907	1,440	x	x	x	0	485	0	0	
23			1,115	x	x	x	0	296	0	0	
24			160	x	x	x	0	32	0	0	
25			825	x	x	x	0	177	0	0	
26			215	x	x	x	0	44	0	0	
27	Johnson South, Clark	1907	1,800	x	x	x	x	544	0	15	
28			190	x	x	x	x	38	0	0	
29			295	x	x	x	x	59	0	0	
30			1,710	x	x	x	x	411	0	0	
31			850	x	x	x	x	170	0	0	
32	Bellair, Crawford, Jasper	1907	1,305	x	x	x	x	486	0	10	
33			1,165	x	x	x	x	310	0	3	
34			315	x	x	x	x	65	0	0	
35			910	x	x	x	x	182	0	7	
36	Clark County Division ³		20,500	54,693,000	451,000	x	x	4,969	3	28	
37	Main, ⁴ Crawford	1906	35,650	x	x	x	x	7,325	1	204	
38			340	x	x	x	x	69	1	x	
39			34,305	x	x	x	x	7,143	0	x	
40			1,000	x	x	x	x	108	0	x	
41			10	x	x	x	x	1	0	0	
42	New Hebron, Crawford	1909	1,560	x	x	x	x	297	0	0	
43	Chapman, Crawford	1914	1,560	x	x	x	x	193	0	0	
44	Parker, Crawford	1907	1,340	x	x	x	x	256	0	0	
45	Allison-Weger, Crawford	x	1,100	x	x	x	x	149	0	0	
46	Flat Rock, ⁵ Crawford	x	1,920	x	x	x	x	290	0	0	
47	Birds, Crawford, Lawrence	x	4,485	x	x	x	x	685	1	1	
48	Crawford County Division ³		47,615	152,517,000	1,281,000	x	x	9,195	2	205	
49	Lawrence, Lawrence, Crawford	1906	25,800	x	x	x	x	4,440	2	163	
50			60	x	x	x	x	7	0	x	
51			5,050	x	x	x	x	1,233	0	x	
52			2,240	x	x	x	x	481	0	x	
53			1,440	x	x	x	x	243	0	x	
54			16,180	x	x	x	x	3,017	0	x	
55			4,300	x	x	x	x	707	0	x	
56			x	x	x	0	0				
57			x	x	x	0	0				

^a Footnotes to column heads and explanation of symbols are seen on page 43.² Abandoned 1945.³ Total of lines 2, 6, 10, 11, 15, 22, 27, 32.⁴ Includes Kibbie, Oblong, Robinson and Hardinsville.⁵ Includes Swearingen gas.⁶ Total of lines 37, 42, 43, 44, 45, 46, 47.

TABLE 1.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ^b		Character of Oil ^c		Producing Formation						Deepest Zone Tested ^d to End of 1945		
	Oil ^e			Initial	Avg./End 1945	Secondary Recovery ^f	Gravity A.P.I. at 60°F. ^g	Sulphur, Per Cent	Name and Age ⁱ	Character ^h	Porosity, Per Cent ^j	Depth to Top of Producing Zone, Ft. ^m	Productive Thickness, Avg. Ft. ⁿ Net	Structure ^o	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift	Gas													
1	0		0	z	z	W	z	z	Unnamed; Pen	S	P	159	z	ML	"Trenton"	2,212
2	0	290	0	293±	z		34.0	z						D	St. Peter	3,009
3	0	z	0	z	z		30.0	z	Shallow Gas; Pen	S	P	281	40	D		
4	0	z	0	z	z		33.5	z	Westfield; MisL	L	Cav	334	z	DC		
5	0	z	0	z	z		38.2	0.18	"Trenton"; Ord	L	Cav	2,265	z	D		
6	0	827	0	z	z	W	33.0	z						D	Dev	2,010
7	0	z	0	z	z		34.0	z	First Siggins; Pen	S	P	367	z	D		
8	0	z	0	z	z		(33.6)	z	2nd and 3rd Siggins; Pen	S	P	478	z	D		
9	0	z	0	z	z		(25.7)	z	Lower Siggins; Pen	S	P	556	40	D		
10	0	0	0	z	z		(30.3)	z	York; Pen	S	P	588	z	AM	Pen	960
11	0	435	0	z	z	P	29.2	z						AM	MisL	808
12	0	z	0	z	z		(31.9)	z	Upper Gas; Pen	S	P	263	z	AM		
13	0	z	0	z	z		(30.1)	z	Lower Gas; Pen	S	P	309	z	AM		
14	0	z	0	z	z		(33.6)	z	Casey; Pen	S	P	444	40	AM		
15	0	113	0	z	z		36.8	z						D	St. Peter	3,411
16	0	z	0	z	z		z	z	Shallow; Pen	S	P	255	z	D		
17	0	z	0	z	z		z	z	Casey; Pen	S	P	500	z	D		
18	0	z	0	z	z		z	z	Martinsville; MisL	L	P	477	z	D		
19	0	z	0	z	z		(38.9)	z	Carper; MisL	S	P	1,340	z	D		
20	0	z	0	z	z		z	z	"Niagaran"; Dev	L	Cav	1,550	z	D		
21	0	z	0	z	z		(39.6)	z	"Trenton"; Ord	L	Cav	2,700	z	D		
22	0	432	0	z	z		31.0	z						AM	MisU	965
23	0	z	0	z	z		z	z	Claypool; Pen	S	P	416	z	AM		
24	0	z	0	z	z		z	z	Shallow; Pen	S	P	314	z	AM		
25	0	z	0	z	z		z	z	Casey; Pen	S	P	465	z	AM		
26	0	z	0	z	z		z	z	Upper Partlow; Pen	S	P	535	z	AM		
27	0	433	0	z	z	P	32.2	z						AM	Dev	2,030
28	0	z	0	z	z		z	z	Claypool; Pen	S	P	392	z	AM		
29	0	z	0	z	z		z	z	Casey; Pen	S	P	453	z	AM		
30	0	z	0	z	z		z	z	Upper Partlow; Pen	S	P	489	z	AM		
31	0	z	0	z	z		28.5	z	Lower Partlow; Pen	S	P	598	z	AM		
32	0	361	0	z	z	P	33.7	z						AM	MisL	1,471
33	0	z	0	z	z		(32.4)	z	"500 ft"; Pen	S	P	561	z	AM		
34	0	z	0	z	z		z	z	"800 ft"; Pen	S	P	817	z	AM		
35	0	z	0	z	z		(37.0)	z	"900 ft"; MisU	S	P	886	z	AM		
36	0	2,941	0												St. Peter	3,411
37	0	4,239	z	425±	z	G	33.0	z							St. Peter	4,654
38	0	z	z	z	z		z	z	Shallow; Pen	S	P	508	z	ML		
39	0	z	z	z	z		32.8	z	Robinson; Pen	S	P	900	25	ML		
40	0	z	z	z	z		z	z	Oblong; MisL	SL	P	1,337	z	A, ML		
41	0	1	0	z	z		z	z	Devonian; Dev	L	P	2,794	11	ML		
42	0	142	0	z	z	P	30.1	z	Robinson; Pen	S	P	940	25	ML	Mis	2,056
43	0	60	0	z	z		z	z	Robinson; Pen	S	P	995	25	ML	Mis	2,279
44	0	199	0	z	z	P	29.5	z	Robinson; Pen	S	P	1,000	25	ML	Pen	1,227
45	0	54	0	z	z		22.5	z	Robinson; Pen	S	P	912	20	ML	Pen	1,041
46	0	112	0	z	z		31.8	z	Robinson; Pen	S	P	935	z	ML	Dev	3,110
47	0	338	0	z	z	P	31.8	z	Robinson; Pen	S	P	930	28	ML	MisL	1,731
48	0	5,144	z												St. Peter	4,654
49	0	2,766	z	650±	z		32.9	z						A	St. Peter	5,190
50	0	z	0	z	z		z	z	Pennsylvanian; Pen	S	P	290	z	A		
51	0	z	0	z	z		z	z	Bridgeport; Pen	S	P	800	40	A		
52	0	z	0	z	z		z	z	Buchanan; Pen	S	P	1,250	15	A		
53	0	z	0	z	z		z	z	"Gas"; MisU	S	P	1,330	15	A		
54	0	z	0	600±	z		z	z	Kirkwood; MisU	S	P	1,400	30	A		
55	0	z	0	650±	z		z	z	Tracey; MisU	S	P	1,560	20	A		
56	0				z		z	z	Aux Vases; MisU ^g	S	P	1,980	z	M		
57	0				z		z	z	Lower O'Hara; MisL ^g	L	P	2,022	z	MC		

¹ Discrepancies between numbers of original completions and present producing wells in various pays are due to reworking of wells.² Pressures in Southeastern Illinois oil fields are estimated bottom-hole pressures reported in previous Survey publications.³ Gravities given prior to 1936 (except those in parentheses) were from data for the year 1925 furnished by the Ohio Pipe Line Co. (formerly called the Illinois Pipe Line Co.). Gravities in parentheses are for particular samples (see Ill. State Geological Survey Bull. 54, Table 3). The values have been converted from Baume to A.P.I. gravities.⁴ Producing in combination wells only.

TABLE 1.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells ^c		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^d	Millions Cu. Ft.		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
58			x	x	x		0	0	1	1	0
59			6,960	x	x		x	x	961	1	x
60	St. Francisville, Lawrence	x	420	x	x		x	x	55	0	0
61	Lawrence County Division ¹⁰		26,220	235,240,000	1,702,000		x	x	4,495	2	163
62	Allendale, Wabash, Lawrence	1912	2,700	7,796,000	657,000		x	x	557	12	4
63			x	x	x		x	x	x	x	x
64			x	x	x		x	x	x	x	x
65			x	x	x		x	x	476	3	2
66			x	x	x		x	x			
67			x	x	x		x	x	6	2	0
68			x	x	x		x	x	6	0	0
69			x	x	x		x	x	17	3	1
70			x	x	x		x	x	37	0	1
71			x	x	x		x	x	x	x	0
72			x	x	x		x	x	x	x	0
73									x	4	0
74	Total Southeastern Fields ¹²		97,135	450,246,000	4,091,000		x	x	19,238	19	400
75	Ayers gas, Bond	1922	0	0	0	325	251.5	15.6	21	0	0
76	Greenville gas, Bond	1910 ¹³	0	0	0	160	990.0	0	4	0	0
77	Bartleso, Clinton	1936	580	1,596,000	117,000		0	0	73	0	1
78			350	966,000	50,000		0	0	48	0	1
79			230	630,000	67,000		0	0	25	0	0
80	Carlyle, Clinton	1911	915	3,542,000	33,000		0	0	165	0	0
81	Frogtown, Clinton	1918 ¹⁴	300	x	0		0	0	12	0	0
82	Ava-Campbell Hill, Jackson	1917 ¹⁵	440	x	0		x	0	35	0	0
83	Colmar-Plymouth, McDonough, Hancock	1914	2,470	3,206,000	107,000		0	0	490	4	2
84	Carlinville, Macoupin	1909 ¹⁶	80	x	1,000		x	0	8	0	0
85	Gillespie-Bend gas, Macoupin	1923 ¹⁷		0	0	80	135.8	0	4	0	0
86	Gillespie-Wyen, Macoupin	1915	45	x	500		0	0	23	1	0
87	Spanish Needle Creek gas, Macoupin	1915 ¹⁸		0	0	80	14.4	0	7	0	0
88	Staunton gas, Macoupin	1916 ¹⁹		0	0	400	1,050.0	0	18	0	0
89	Collinsville, Madison	1909 ²⁰	40	850	0		0	0	6	0	0
90	Brown, Langewiesch-Kuester, Junction City, Marion	1910	175	x	x		0	0	14	0	0
91			60	x	x		0	0	7	0	0
92			115	x	x		0	0	7	0	0
93	Sandoval, Marion	1909	780	5,236,000	81,000		0	0	151	1	5
94			770	2,703,000	1,000		0	0	123	0	1
95			390	2,533,000	80,000		0	0	28	1	4
96	Wamac, Marion, Clinton, Washington	1921	250	492,000	13,000		0	0	106	0	2
97	Litchfield, Montgomery	1879 ²¹	100	23,000	0		0	0	18	0	0
98	Waterloo, Monroe	1920 ²²	230	228,000	2,000		0	0	41	0	0
99	Jacksonville gas, Morgan	1910 ²³	1,320	2,000	0		x	0	53	0	0
100	Pittsfield gas, Pike	1886 ²⁴		0	0	8,960	x	0	68	0	0
101	Sparta, Randolph	1888 ²⁵	165	x	0		x	0	20	0	0
102	Dupo, St. Clair	1928	670	1,989,000	95,000		x	0	299	0	0
103	Total of fields discovered prior to Jan. 1, 1837 ²⁶		105,895	465,732,000	4,371,000	10,005	2,441.7	15.6	20,874	25	410

¹⁰ Total of lines 49 and 60.¹² Total of lines 1, 36, 45, 61, 62.¹³ Abandoned 1923.¹⁴ Abandoned 1933.¹⁵ Abandoned 1934.¹⁶ Abandoned 1925, revived 1942.¹⁷ Abandoned 1935.¹⁸ Abandoned 1934.¹⁹ Abandoned 1919.²⁰ Abandoned 1921.²¹ Abandoned 1904, revived 1942, abandoned 1944.²² Abandoned 1930, revived 1939.²³ Abandoned 1937.²⁴ Gas not used until 1905, abandoned 1930.²⁵ Abandoned 1900.²⁶ Total of lines 74 to 103 inclusive. Cumulative oil production total based on U. S. Bureau of Mines monthly report.

TABLE 1.—(Continued)

Line Number	Wells Producing ² Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ³		Character of Oil ⁴		Producing Formation						Deepest Zone Tested ² to End of 1945			
	Oil ¹			Initial	Avg./End 1945	Secondary Recovery ⁴	Gravity A.P.I. at 60°F. ⁵	Sulphur, Per Cent	Name and Age ⁱ	Character ⁴	Porosity, Per Cent ⁱ	Depth to Top of Producing Zone, Ft. ²	Productive Thickness, Avg. Ft., ² Net	Structure ²	Name	Depth of Hole Ft.	
	Flowing	Artificial Lift	Gas														
58	0	1	0	z	z	W	z	z	Rosiclare; MisL	SL	P	2,038	12	MC			
59	0	z	0	z	z		z	z	McClosky; MisL	L	P	1,700	10	A			
60	0	30	0	600	z		32.3	z	Bethel; MisU	S	P	1,843	22	ML	Mis	1,900	
61	0	2,796	0												St. Peter	5,190	
62	0	315	0												MisL	2,367	
63	0	z	0	z	z			z	z	Bridgeport; Pen	S	P	1,069	12	AM		
64	0	z	0	z	z			z	z	Buchanan; Pen	S	P	1,290	15	AM		
65	0	158	0	z	z			35.1	z	Biehl; Pen	S	P	1,425	20	AM		
66	0	z	0	z	z			z	z	Jordan; Pen ⁹	S	P	1,400	10	AM		
67	0	3	0	z	z			z	z	Waltersburg; MisU	S	P	1,540	15	AL		
68	0	6	0	z	z		z	z	Tar Springs; MisU	S	P	1,600	20	AM			
69	0	16	0	z	z		z	z	Cypress; MisU	S	P	1,920	10	AM			
70	0	33	0	z	z		z	z	Bethel; MisU	S	P	2,010	10	AM			
71	0	9	0	900	z		z	z	McClosky; MisL	L	P	2,280	8	AM			
72	0	z	0	z	z		z	z	Rosiclare; MisL	SL	P	2,230	5	AM			
73	0	z	0														
74	0	11,196	z														
75	0	0	9	335	z				Bethel; MisU	S	P	940	5	A	"Trenton"	3,044	
76	0	0	0	z					Lindley (1st, 2nd); MisU	S	P	927	z	A	Dev	2,290	
77	0	57	0											D	St. Peter	4,212	
78	0	36	0	z	z		36.2	0.20	Carlyle; MisU	S	P	984	24	D			
79	0	21	0	z	z		41.5	0.27	Devonian; Dev	L	Cav	2,420	12	D			
80	0	26	0	z	z		35.2	0.26	Carlyle; MisU	S	P	1,035	20	A	St. Peter	4,120	
81	0	0	0	z			31.9	z	Carlyle; MisU	S	P	950	7	A	Cypress	962	
82	0	0	0	z			z	z	Cypress; MisU	S	P	780	18	A	Dev	2,530	
83	0	230	0	z	z	W	37.6	0.38	Hoing; Dev	S	P	450	21	AL	"Trenton"	805	
84	0	4	0	135	z		27.7	z	Unnamed; Pen	S	P	380	z	A	Pen	410	
85	0	0	0	155					Unnamed; Pen	S	P	542	z	A	Pen	575	
86	0	9	0	z	z		30.2	z	Unnamed; Pen	S	P	650	z	T	"Trenton"	2,560	
87	0	0	0	z					Unnamed; Pen	S	P	305	z	D	Pen	495	
88	0	0	0	145					Unnamed; Pen	S	P	461	z	A	"Trenton"	2,371	
89	0	0	0	z				z	z	Dev-Sil	L	Cav	1,305	20	ML	St. Peter	2,177
90	0	7	0												D	Dev	3,344
91	0	z	0	z	z			32.0	z	Dykstra, Wilson; Pen	S	P	610	20	D		
92	0	z	0	z	z			32.0	z	Cypress; MisU	S	P	1,658	15	D		
93	0	18	0											D	St. Peter	5,023	
94	0	8	0	z	z		34.5	z	Bethel; MisU	S	P	1,540	20	D			
95	0	10	0	z	z		38.0	0.38	Devonian; Dev	L	Cav	2,324	9	D			
96	0	18	0	z	z		30.2	z	Petro; Pen	S	P	720	20	D	MisL	1,760	
97	0	0	0	z	z		23.0	0.42	Unnamed; Pen	S	P	664	z	D	Pen	681	
98	0	4	0	z	z		30.2	0.97	"Trenton"; Ord	L	Cav	410	50	A	"Trenton"	845	
99	0	0	0	z	z		z	z	Gas; Pen, MisL	S, SL	P	330	5	ML	"Trenton"	1,390	
100	0	0	0	z					"Niagaran"; Sil	L	P	265	10	A	St. Peter	893	
101	0	0	0	z			z	z	Cypress; MisU	S	P	850	7	D	MisU	985	
102	0	88	0	z	z		32.7	0.70	"Trenton"; Ord	L	Cav	561	50	A	New Richmond	1,800	
103	0	11,657	z														

¹¹ Wells producing from more than one sand, see Table 6.

TABLE 1.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells ^c		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^b	Millions Cu Ft. ^c		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
104	Aden Consolidated, Wayne, Hamilton	1938	1,860	4,813,000	390,000		0	0	91	0	0
105			z	z	z		0	0	5	0	0
106			z	z	z		0	0			
107			z	z	z		0	0			
108			z	z	z		0	0	75	0	0
109									11	0	0
110	Aden South, Hamilton	1945	10	2,000	2,000		0	0	1	1	0
111	Akin, Franklin	1942	200	253,000	44,000		0	0	7	0	0
112			z	z	z		0	0	3	0	0
113			z	z	z		0	0	3	0	0
114			z	z	z		0	0			
115									1	0	0
116	Albion Consolidated, Edwards	1940	2,500	4,836,000	1,302,000		0	0	205	54	0
117			z	z	z		0	0	1	0	0
118			z	z	z		0	0	15	11	0
119			z	z	z		0	0	40	28	0
120			z	z	z		0	0			
121			z	z	z		0	0	24	2	0
122			z	z	z		0	0			
123			z	z	z		0	0	3	2	0
124			z	z	z		0	0	3	0	0
125			z	z	z		0	0	1	0	0
126			z	z	z		0	0	20	4	0
127			z	z	z		0	0	2	0	0
128			z	z	z		0	0	2	1	0
129			z	z	z		0	0	67	1	0
130									27	5	0
131	Albion East, Edwards	1943	300	274,000	91,000		0	0	13	2	0
132			z	z	z		0	0	5	0	0
133			z	z	z		0	0			
134			z	z	z		0	0			
135			z	z	z		0	0	3	0	0
136			z	z	z		0	0	2	1	0
137			z	z	z		0	0	1	1	0
138									2	0	0
139	Alma, Marion	1941	60	54,000	7,000		0	0	4	0	0
140			z	z	z		0	0	2	0	0
141			z	z	z		0	0	2	0	0
142	Amity, Richland	1942	20	7,000	2,000		0	0	1	0	0
143	Baruhill, Wayne	1939	940	1,867,000	8,500		0	0	69	0	0
144			z	z	z		0	0	0	0	0
145			z	z	z		0	0	0	0	0
146			z	z	z		0	0	67	0	0
147			z	z	z		0	0	0	0	0
148									2	0	0
149	Bartelso South, Clinton	1942	80	13,000	3,000		0	0	2	0	0
150	Bartelso West, Clinton	1945	10	0	0		0	0	1	1	0
151	Beaver Creek, Bond	1942	140	42,000	16,000		0	0	9	0	0
152	Belle Prairie, Hamilton	1940	160	201,000	76,000		0	0	5	0	0
153	Belle Rive, Jefferson	1943	100	158,000	39,000		0	0	5	0	0
154	Beman, Lawrence	1942	20	4,000	1,000		0	0	1	0	0
155	Bend, White	1941	10	19,000	2,000		0	0	1	0	0
156	Bennington, Edwards, Wayne	1943	900	773,000	740,000		0	0	38	34	0
157			z	z	z		0	0	3	0	0
158			z	z	z		0	0			
159			z	z	z		0	0	34	33	0
160									1	1	0
161	Bennington South, Edwards	1944	20	10,000	4,000		0	0	1	0	0
162	Benton, Franklin	1941	2,400	17,416,000	1,148,000		0	0	243	0	1
163	Benton North, Franklin	1941	230	322,000	56,000		0	0	16	1	0
164			z	z	z		0	0	1	0	0
165			z	z	z		0	0	5	0	0
166			z	z	z		0	0	1	0	0
167			z	z	z		0	0	3	0	0
168			z	z	z		0	0	2	0	0

TABLE 1.—(Continued)

Line Number	Wells Producing ² Dec. 1945		Reservoir Pressure, Lb. per Sq. In. ³		Character of Oil ⁴		Producing Formation						Deepest Zone Tested ⁵ to End of 1945			
	Oil ¹		Gas	Initial	Avg./End 1945	Secondary Recovery ⁴	Gravity A.P.I. at 60°F. ⁶	Sulphur, Per Cent	Name and Age ⁷	Character ⁸	Porosity, Per Cent ¹	Depth to Top of Producing Zone, Ft. ¹⁰	Productive Thickness, Avg. Ft., ¹¹ Net	Structure ⁹	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift														
104	0	85	0						Aux Vases; MisU	S	P	3,175	15	AL	Dev	5,395
105	0	13	0						Lower O'Hara; MisL ⁹	OL	P	3,265	6	AC		
106									Rosiclar; MisL ⁹	OL	P	3,300	8	AC		
107	0	55	0				40.0		McClosky; MisL ¹¹	OL	P	3,350	8	A		
108	0	17	0													
109	0	1	0						McClosky; MisL	L	P	3,385	2	ML	MisL	3,430
110	0	7	0													
111	0	1	0													
112	0	3	0				32.0		Cypress; MisU	S	P	2,840	10	ML		
113	0	3	0				37.8	0.12	Aux Vases; MisU	S	P	3,120	15	AL		
114									McClosky; MisL ⁹	L	P	3,226	9	ML		
115	0	1	0			W										
116	0	200	0				29.6		Mansfield; Pen	S	P	1,650	13	MF	Devonian	5,185
117	0	1	0				34.0		Bridgeport; Pen	S	P	1,860	20	MF		
118	0	13	0	550					Biehl; Pen	S	P	1,995	15	MF		
119	0	39	0	600					Degonia; MisU ⁹	S	P	2,125	8	MF		
120				600					Waltersburg; MisU	S	P	2,365	15	AL		
121	0	23	0	400			34.0		Tar Springs; MisU ⁹	S	P	2,450	10	AL		
122				700					Hardinsburg; MisU	S	P	2,636	5	A		
123	0	3	0						Bethel; MisU	S	P	2,960	15	Af		
124	0	3	0	900			38.0		Renault; MisU	S	P	3,002	10	Af		
125	0	1	0	900					Aux Vases; MisU	S	P	3,045	20	Af		
126	0	20	0	950			39.0		Lower O'Hara; MisL	L	P	3,110	10	A		
127	0	2	0						Rosiclar; MisL	L	P	3,160	10	A		
128	0	1	0				40.0	0.18	McClosky; MisL ¹¹	L	P	3,140	10	AC		
129	0	60	0	900												
130	0	34	0													
131	0	13	0													
132	0	4	0						Cypress; MisU	S	P	2,790	15	A	MisL	3,244
133									Paint Creek; MisU ⁹	S	P	2,910	10	A		
134									Bethel; MisU ⁹	S	P	2,955	25	A		
135	0	3	0						Aux Vases; MisU	S	P	3,000	15	A		
136	0	2	0						Lower O'Hara; MisL	L	P	3,100	6	A		
137	0	1	0						McClosky; MisL ¹¹	L	P	3,140	8	A		
138	0	3	0													
139	0	2	0													
140	0	1	0						Bethel; MisU	S	P	1,931	8	A	Dev	3,692
141	0	1	0						Rosiclar; MisL	S	P	2,084	10	A		
142	0	1	0						McClosky; MisL	OL	P	2,960	10	MC	MisL	3,090
143	0	35	0													
144	0	0	0						Aux Vases; MisU	S	P	3,225	15	AL		
145	0	0	0						Rosiclar; MisL	OL	P	3,350	9	AC		
146	0	35	0				37.6	0.17	McClosky; MisL	OL	P	3,400	12	A		
147	0	0	0						Salem; MisL ¹¹	L	P	3,795	8	AC		
148	0	0	0													
149	0	2	0				40.0	0.15	Devonian; Dev	L	Cav	2,465	8	A	Dev	2,652
150	0	1	0						Cypress; MisU	S	P	926	6	A	MisU	976
151	0	9	0				34.2	0.25	Bethel; MisU	S	P	1,180	8	A	Dev	2,526
152	0	5	0				37.0	0.12	McClosky; MisL	L	P	3,440	7	z	MisL	3,580
153	0	5	0				39.4	0.5	McClosky; MisL	L	P	3,085	7	AC	MisL	3,240
154	0	1	0						McClosky; MisL	L	P	1,841	2	MC	MisL	1,845
155	0	1	0						Tar Springs; MisU	S	P	2,357	8	z	MisL	3,109
156	0	38	0													
157	0	0	0						Aux Vases; MisU	S	P	3,150	20	ML		
158									Lower O'Hara; MisL ⁹	L	P	3,240	10	MC		
159	0	37	0						McClosky; MisL ¹¹	L	P	3,215	10	MC		
160	0	1	0													
161	0	1	0						McClosky; MisL	L	P	3,250	4	MC	MisL	3,419
162	0	235	0			G	41.7	0.12	Tar Springs; MisU	S	P	2,100	34	A	MisL	3,205
163	0	16	0													
164	0	0	0						Cypress; MisU	S	P	2,440	10	A	MisL	2,963
165	0	6	0						Paint Creek; MisU	S	P	2,595	10	A		
166	0	1	0				38.4	0.15	Bethel; MisU	S	P	2,605	10	A		
167	0	3	0				39.0	0.15	Aux Vases; MisU	S	P	2,695	10	AL		
168	0	2	0				37.4	0.17	Lower O'Hara; MisL	L	P	2,720	8	AC		

TABLE 1.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells ^d		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^d	Millions Cu. Ft. ^e		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During of 1945		Completed	Abandoned
169			x	x	x		0	0	2	0	0
170			x	x	x		0	0			
171									2	1	0
172	Bessie, Franklin.	1943	20	21,000	6,000		0	0	1	0	0
173	Bible Grove, Clay, Effingham.	1942	3,500	3,846,000	1,757,000		0	0	174	53	2
174			x	x	x		0	0	130	17	2
175			x	x	x		0	0	5	5	0
176			x	x	x		0	0	30	23	0
177									9	8	0
178	Bible Grove East, Clay	1944	50	33,000	33,000		0	0	5	3	0
179	Bible Grove South, Clay	1942	20	36,000	8,000		0	0	1	0	0
180	Blairsville, Hamilton.	1942	660	1,246,000	212,000		0	0	29	0	0
181			x	x	x		0	0	20	0	0
182			x	x	x		0	0	1	0	0
183			x	x	x		0	0			
184			x	x	x		0	0			
185									5	0	0
186	Bogota, Jasper	1943	200	284,000	80,000		0	0	7	0	0
187	Bogota South, Jasper	1944	20	9,000	5,000		0	0	1	0	0
188	Bone Gap, Edwards	1941	360	665,000	78,000		0	0	19	0	1
189	Bonpas, Richland	1941	40	87,000	11,000		0	0	2	0	0
190	Boos North, Jasper	1940	1,580	2,726,000	253,000		0	0	80	8	3
191			x	x	x		0	0	4	4	0
192			x	x	x		0	0	75	4	3
193									1	0	0
194	Boulder, Clinton	1941	560	2,041,000	505,000		x	x	36	1	0
195			x	x	x		0	0	25	1	0
196			x	x	x		x	x	11	0	0
197	Boyd, Jefferson	1944	960	1,519,000	1,362,000		0	0	92	77	1
198			x	x	x		0	0	54	45	1
199			x	x	x		0	0	3	2	0
200			x	x	x		0	0			
201									35	30	0
202	Boyleston Consolidated, Wayne	1938	4,820	7,180,000	609,000		0	0	181	0	3
203			x	x	x		0	0	2	0	1
204			x	x	x		0	0	11	0	0
205			x	x	x		0	0	2	0	0
206			x	x	x		0	0	156	0	2
207									10	0	0
208	Browns, Edwards, Wabash	1943	360	349,000	162,000		0	0	18	0	2
209			x	x	x		0	0	4	0	0
210			x	x	x		0	0	1	0	0
211			x	x	x		0	0	8	0	2
212									5	0	0
213	Browns South, Edwards	1943	30	4,000	3,000		0	0	3	0	0
214	Brownsville, White	1945	600	205,000	205,000		0	0	32	32	0
215			x	x	x		0	0	20	20	0
216			x	x	x		0	0	2	2	0
217			x	x	x		0	0	2	2	0
218			x	x	x		0	0			
219			x	x	x		0	0	1	1	0
220			x	x	x		0	0	1	1	0
221			x	x	x		0	0			
222									4	4	0
223	Bungay, Hamilton	1941	600	1,374,000	627,000		0	0	41	6	0
224			x	x	x		0	0	40	6	0
225			x	x	x		0	0	1	0	0
226	Burnt Prairie, White	1940	680	810,000	244,000		0	0	39	6	4
227			x	x	x		0	0	10	4	0
228			x	x	x		0	0	0	0	0
229			x	x	x		0	0	2	0	0
230			x	x	x		0	0	27	2	4
231									0	0	0
232	Calhoun, Richland	1944	640	556,000	484,000		0	0	29	23	0
233			x	x	x		0	0	19	15	0

TABLE I.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ^b		Secondary Recovery ^a	Character of Oil ^c		Producing Formation						Deepest Zone Tested, to End of 1945	
	Oil ^d		Initial	Avg./End 1945	Gravity A.P.I. at 60°F. ^e		Sulphur, Per Cent	Name and Age ^f	Character ^g	Porosity, Per Cent ^h	Depth to Top of Producing Zone, Ft. ^m	Productive Thickness, Avg. Ft., ⁿ Net	Structure ^o	Name	Depth of Hole, Ft.	
	Flowing	Artificial Lift														Gas
169	0	2	0	z	z		38.4	0.15	Rosiclare; MisL	S	P	2,780	7	AL		
170							z	z	McClosky; MisL ⁹	L	P	2,785	5	AC		
171	0	2	0						11							
172	0	1	0	z	z		38.8	0.15	Lower O'Hara; MisL	L	P	2,894	11		MisL	3,460
173	0	169	0												MisL	2,970
174	0	126	0	z	z		38.0	0.13	Cypress; MisU	S	P	2,490	15	A		
175	0	5	0	z	z		z	z	Rosiclare; MisL	L	P	2,840	10	A		
176	0	29	0	z	z		36.2	z	McClosky; MisL	OL	P	2,810	6	A		
177	0	9	0						11							
178	0	5	0	z	z		z	z	Cypress; MisU	S	P	2,510	10	A	MisL	2,993
179	0	1	0	z	z		z	z	Aux Vases; MisU	S	P	2,750	10	ML	MisL	2,946
180	0	27	0												MisL	3,530
181	0	18	0	z	z		38.1	z	Aux Vases; MisU	S	P	3,280	20	AL		
182	0	1	0	z	z		z	z	Lower O'Hara; MisL	L	P	3,340	7	AC		
183				z	z		z	z	Rosiclare; MisL ⁹	S	P	3,365	7	AC		
184	0	5	0	z	z		38.6	0.13	McClosky; MisL	L	P	3,425	8	AC		
185	0	3	0						11							
186	0	7	0	z	z		z	z	McClosky; MisL	L	P	3,110	10	A	MisL	3,234
187	0	1	0	z	z		z	z	McClosky; MisL	L	P	3,054	4	ML	MisL	3,185
188	0	15	0	z	z		40.5	0.33	McClosky; MisL	L	P	3,250	10	A	MisL	3,350
189	0	2	0	z	z		37.8	0.23	McClosky; MisL	OL	P	3,120	4	MC	MisL	3,212
190	0	70	0						11						MisL	2,950
191	0	4	0	z	z		z	z	Rosiclare; MisL	S	P	2,765	10	AC		
192	0	63	0	z	z		38.6	0.20	McClosky; MisL	L	P	2,800	9	A		
193	0	3	0						11							
194	1	31	2												Dev	2,672
195	0	25	0	z	z		36.0	z	Bethel; MisU	S	P	1,190	20	A		
196	1	6	2	z	z		28.2	0.33	Devonian; Dev	L	Cav	2,630	4	A		
197	0	91	0												MisL	2,233
198	0	53	0	550±	z		z	z	Bethel; MisU	S	P	2,050	15	A		
199	0	3	0	615±	z		z	z	Aux Vases; MisU	S	P	2,130	20	A		
200				z	z		z	z	Lower O'Hara; MisL ⁹	L	P	2,235	10	A		
201	0	35	0						11							
202	0	146	0												MisL	3,495
203	0	2	0	z	z		39.6	z	Aux Vases; MisU	S	P	3,095	7	AL		
204	0	8	0	z	z		z	z	Lower O'Hara; MisL	OL	P	3,180	4	AC		
205	0	1	0	z	z		40.2	0.14	Rosiclare; MisL	OL	P	3,215	6	AC		
206	0	125	0	z	z		40.2	0.14	McClosky; MisL	OL	P	3,240	7	AC		
207	0	10	0						11							
208	0	16	0												MisL	3,187
209	0	6	0	z	z		z	z	Cypress; MisU	S	P	2,651	30	AL		
210	0	1	0	z	z		z	z	Bethel; MisU	S	P	2,778	12	A		
211	0	3	0	z	z		z	z	McClosky; MisL	L	P	3,007	9	A		
212	0	6	0						11							
213	0	1	0	z	z		z	z	Bethel; MisU	S	P	2,840	15	L	MisL	3,144
214	0	32	0												MisL	3,262
215	0	18	0	z	z		z	z	Hardinsburg; MisU	S	P	2,630	20	A		
216	0	3	0	z	z		z	z	Cypress; MisU	S	P	2,780	12	A		
217	0	1	0	z	z		z	z	Paint Creek; MisU	S	P	2,865	12	A		
218	0	2	0	z	z		z	z	Aux Vases; MisU	P	P	3,020	6	A		
219				z	z		z	z	Lower O'Hara; MisL ⁹	L	P	3,100	6	AC		
220	0	1	0	z	z		z	z	Rosiclare; MisL	SL	P	3,120	6	AC		
221	0	2	0	z	z		z	z	McClosky; MisL	L	P	3,140	8	AC		
222	0	5	0						11							
223	0	40	0												MisL	3,541
224	0	39	0	z	z		36.8	0.24	Aux Vases; MisU	S	P	3,290	15	AL		
225	0	1	0	z	z		z	z	McClosky; MisL	L	P	3,430	8	AC		
226	0	33	0												MisL	3,532
227	0	8	0	z	z		z	z	Aux Vases; MisU	S	P	3,260	18	AL		
228	0	2	0	z	z		39.0	z	Lower O'Hara; MisL	OL	P	3,360	5	AC		
229	0	0	0	z	z		z	z	Rosiclare; MisL	OL	P	3,339	7	AC		
230	0	19	0	z	z		30.7	0.28	McClosky; MisL	OL	P	3,400	10	AC		
231	0	4	0						11							
232	1	28	0												MisL	3,280
233	0	19	0	z	z		z	z	Lower O'Hara; MisL	OL	P	3,140	9	A		

TABLE 1.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells ^c		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^d	Millions Cu. Ft. ^e		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
234			x	x	x		0	0	7	5	0
235									3	3	0
236	Calhoun North, Richland.....	1944	40	14,000	12,000		0	0	2	1	0
237			x	x	x		0	0			
238			x	x	x		0	0	1	1	0
239									1	0	0
240	Calvin North, White.....	1943	600	741,000	262,000		0	0	55	13	0
241			x	x	x		0	0	5	4	0
242			x	x	x		0	0	28	5	0
243			x	x	x		0	0	0	0	0
244			x	x	x		0	0	1	0	0
245			x	x	x		0	0	9	0	0
246			x	x	x		0	0	1	1	0
247			x	x	x		0	0	4	2	0
248			x	x	x		0	0	5	1	0
249			x	x	x		0	0			
250			x	x	x		0	0	1	0	0
251									1	0	0
252	Carlinville North, Macoupin.....	1941	40	700	100		0	0	5	1	0
253	Carmi, White.....	1940	30	6,000	200		0	0	2	0	0
254			x	x	x		0	0	1	0	0
255			x	x	x		0	0	1	0	0
256	Carmi North, White.....	1942	30	84,000	18,000		0	0	3	0	0
257			x	x	x		0	0			
258			x	x	x		0	0	3	0	0
259									0	0	0
260	Centerville, White.....	1940	60	243,000	24,000		0	0	5	0	0
261	Centerville East, White.....	1941	700	1,462,000	191,000		0	0	44	0	1
262			x	x	x		0	0	24	0	1
263			x	x	x		0	0	3	0	0
264			x	x	x		0	0	1	0	0
265			x	x	x		0	0	5	0	0
266			x	x	x		0	0			
267			x	x	x		0	0	10	0	0
268									1	0	0
269	Centralia, Clinton, Marion.....	1937	2,850	27,634,000	1,827,000		0	0	911	5	17
270			x	x	x		0	0	26	3	x
271			x	x	x		0	0	564	2	x
272			x	x	x		0	0	0	0	0
273			x	16,633,000	1,191,000		0	0	319	0	x
274			x	33,000	2,000		0	0	2	0	0
275									0	0	3
276	Centralia West, Clinton.....	1940	90	254,000	41,000		0	0	9	0	0
277	Cisne, Wayne.....	1937	1,100	3,030,000	117,000		0	0	53	1	2
278			x	x	x		0	0	1	0	0
279			x	x	x		0	0	1	0	0
280			x	x	x		0	0	50	1	1
281									1	0	1
282	Cisne North, Wayne.....	1942	20	11,000	2,000		0	0	2	0	0
283	Clay City Consolidated, Clay, Wayne.....	1937	21,260	40,938,000	5,065,000		0	0	1,040	111	11
284			x	x	x		0	0	36	2	0
285			x	x	x		0	0	176	49	0
286			x	x	x		0	0	3	3	0
287			x	x	x		0	0	28	22	0
288			x	x	x		0	0	771	28	11
289									26	7	0
290	Clay City West, Clay.....	1941	360	1,064,000	46,000		0	0	17	0	0
291			x	x	x		0	0	1	0	0
292			x	x	x		0	0	16	0	0
293	Coil, Wayne.....	1942	480	895,000	119,000		0	0	17	0	0
294			x	x	x		0	0	16	0	0
295			x	x	x		0	0	1	0	0
296	Coil West, Jefferson.....	1942	300	242,000	113,000		0	0	13	3	2
297			x	x	x		0	0	3	2	0
298			x	x	x		0	0	1	1	0

TABLE 1.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ^b		Character of Oil ^c		Producing Formation						Deepest Zone Tested ^d to End of 1945		
	Flowing	Oil ^a		Initial	Avg./End 1945	Secondary Recovery ^a	Gravity A.P.I. at 60°F. ^e	Sulphur, Per Cent	Name and Age ^f	Character ^g	Porosity, Per Cent ^h	Depth to Top of Producing Zone, Ft. ^m	Productive Thickness, Avg. Ft., ⁿ Net	Structure ^o	Name	Depth of Hole, Ft.
		Artificial Lift	Gas													
234	1	6	0	x	x		x	x	McClosky; MisL ^p	OL	P	3,180	5	A		
235	0	3	0						11						MisL	3,280
236	0	2	0						Rosiclare; MisL ^p	S	P	3,165	10	N		
237	0	1	0	x	x		x	x	McClosky; MisL ^p	OL	P	3,184	11	N		
238	0	1	0	x	x				11						MisL	3,280
239	0	1	0													
240	0	54	0													
241	0	9	0	x	x		x	x	Buchanan; Pen	S	P	1,088	26	ALf		
242	0	18	0	x	x		30.0	0.29	Biehl; Pen	S	P	1,520	10	ALf		
243	0	1	0	x	x		x	x	Palestine; MisU	S	P	2,140	18	ALf		
244	0	1	0	x	x		x	x	Waltersburg; MisU	S	P	2,260	10	ALf		
245	0	5	0	x	x		34.0	0.30	Tar Springs; MisU	S	P	2,320	12	ALf		
246	0	1	0	x	x		x	x	Cypress; MisU	S	P	2,700	10	ALf		
247	0	1	0	x	x		38.4	0.19	Bethel; MisU	S	P	2,815	11	ALf		
248	0	8	0	x	x		x	x	Aux Vases; MisU	S	P	2,880	18	AL		
249	0			x	x		x	x	Rosiclare; MisL ^p	OL	P	x	x	AC		
250	0	2	0	x	x		x	x	McClosky; MisL ^p	OL	P	2,996	16	AC		
251	0	8	0						11							
252	0	3	0	x	x		20.3	0.35	Pottsville; Pen	S	P	450	10	x	Pen	562
253	0	1	0												MisL	3,282
254	0	0	0	x	x		x	x	Lower O'Hara; MisL	OL	P	3,130	8	McCf		
255	0	1	0	x	x		x	x	McClosky; MisL	OL	P	3,150	4	McCf		
256	0	3	0												MisL	3,418
257	0			x	x		x	x	Cypress; MisU ⁹	S	P	2,935	10	AF		
258	0	2	0	x	x		37.0	0.14	Aux Vases; MisU	S	P	3,230	15	AF		
259	0	1	0						11							
260	0	5	0	x	x		36.8	0.17	McClosky; MisL	OL	P	3,360	5	AC	MisL	3,600
261	0	40	0												MisL	3,365
262	0	20	0	x	x		37.2	0.20	Tar Springs; MisU	S	P	2,500	30	ALf		
263	0	3	0	x	x		x	x	Cypress; MisU	S	P	2,915	10	AL		
264	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,960	18	AL		
265	0	5	0	x	x		x	x	Aux Vases; MisU	S	P	3,080	11	AL		
266	0			x	x		x	x	Lower O'Hara; MisL ⁹	OL	P	3,175	4	AC		
267	0	8	0	x	x		40.0	x	McClosky; MisL ^p	OL	P	3,250	5	AC		
268	0	3	0						11							
269	0	500	0												"Trenton"	4,070
270	0	x	0	x	x		36.4	0.20	Cypress; MisU	S	P	1,200	15	A		
271	0	x	0	x	x		37.7	0.17	Bethel; MisU	S	P	1,355	20	A		
272	0	2	0	x	x		x	x	McClosky; MisL	OL	P	1,580	x	A		
273	0	254	0	x	x		37.4	0.38	Devonian; Dev	L	Cav	2,870	12	A		
274	0	1	0	x	x		43.2	0.28	"Trenton"; Ord	L	Cav	4,020	7	A		
275	0	29	0						11							
276	0	8	0	x	x		37.8	0.17	Bethel; MisU	S	P	1,420	8	N	MisU	1,531
277	0	42	0			W									St. Peter	7,205
278	0	4	0	x	x		38.5	x	Aux Vases; MisU	S	P	3,002	8	AL		
279	0	2	0	x	x		x	x	Rosiclare; MisL	SL	P	3,086	9	AC		
280	0	22	0	x	x		35.8	0.24	McClosky; MisL ^p	OL	P	3,117	11	A		
281	0	14	0						11							
282	0	2	0	x	x		39.0	x	McClosky; MisL	OL	P	3,170	10	ML	MisL	3,245
283	0	972	0			W									Dev	4,840
284	0	47	0	x	x		37.9	x	Cypress; MisU	S	P	2,635	10	A		
285	0	160	0	x	x		38.0	x	Aux Vases; MisU	S	P	2,940	15	AL		
286	0	3	0	x	x		38.0	x	Lower O'Hara; MisL	L	P	3,017	5	AL		
287	0	33	0	x	x		38.0	x	Rosiclare; MisL	OL	P	3,030	8	AL		
288	0	643	0	x	x		38.5	x	McClosky; MisL ^p	OL	P	3,050	10	AL		
289	0	86	0						11							
290	0	17	0												MisL	3,080
291	0	1	0	x	x		x	x	Cypress; MisU	S	P	2,700	24	A		
292	0	16	0	x	x		39.0	0.17	McClosky; MisL	OL	P	3,050	15	A		
293	0	16	0													
294	0	15	0	x	x		37.1	0.20	Aux Vases; MisU	S	P	2,900	20	A	MisL	3,185
295	0	1	0	x	x		37.5	x	McClosky; MisL	OL	P	2,970	3	AC		
296	0	11	0												MisL	3,022
297	0	4	0	x	x		x	x	Aux Vases; MisU	S	P	2,729	14	AL		
298	0	1	0	x	x		x	x	Lower O'Hara; MisL	L	P	2,830	6	AC		

TABLE 1.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells ^f		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^d	Millions Cu. Ft. ^e		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
299			z	z	z		0	0			
300			z	z	z		0	0			
301									5	0	0
302	Concord, White	1942	800	1,309,000	707,000		0	0	62	16	0
303			z	z	z		0	0	15	0	0
304			z	z	z		0	0	9	0	0
305			z	z	z		0	0	8	0	0
306			z	z	z		0	0	1	0	0
307			z	z	z		0	0	27	16	0
308	Concord East, White	1942	20	8,000	1,000		0	0	1	0	0
309	Concord South, White	1944	20	8,000	8,000		0	0	2	0	0
310	Cooks Mills, Coles	1941	20	6,000	1,000		0	0	2	0	0
311	Cordes, Washington	1939	1,440	3,170,000	282,000		0	0	142	1	1
312	Covington South, Wayne	1943	360	105,000	20,000		0	0	8	0	0
313	Cowling, Edwards, Wabash	1939	360	457,000	136,000		0	0	28	13	1
314			z	z	z		0	0	4	4	0
315			z	z	z		0	0	17	4	0
316			z	z	z		0	0			
317			z	z	z		0	0	1	1	0
318			z	z	z		0	0	6	4	1
319									0	0	0
320	Cravat, Jefferson	1939	100	238,000	19,000		0	0	11	0	0
321	Dalhgren, Hamilton	1941	600	932,000	34,000		0	0	42	0	2
322	Dale-Hoodville Consolidated, Hamilton	1940	5,000	21,280,000	2,039,000		0	0	423	0	9
323			z	z	z		0	0	26	0	1
324			z	z	z		0	0	42	0	0
325			z	z	z		0	0	2	0	0
326			z	z	z		0	0	90	0	0
327			z	z	z		0	0	194	0	8
328			z	z	z		0	0	14	0	0
329			z	z	z		0	0			
330			z	z	z		0	0	8	0	0
331									47	0	0
332	Divide, Jefferson	1943	300	260,000	78,000		0	0	11	0	1
333			z	z	z		0	0			
334			z	z	z		0	0	11	0	1
335									0	0	0
336	Divide West, Jefferson	1944	920	1,141,000	1,074,000		0	0	41	30	0
337			z	z	z		0	0	3	3	0
338			z	z	z		0	0	1	1	0
339			z	z	z		0	0	33	23	0
340									4	3	0
341	Dix, Jefferson, Marion	1938	1,300	4,516,000	565,000		0	0	84	0	0
342			z	z	z		0	0	83	0	0
343			z	z	z		0	0	1	0	0
344	Dix South, Jefferson	1941	10	11,000	500		0	0	1	0	0
345	Dubois, Washington	1939	100	135,000	15,000		0	0	10	0	0
346	Dubois West, Washington	1942	10	7,000	2,000		0	0	1	0	0
347	Dundas Consolidated, Richland, Jasper	1939	9,000	11,654,000	592,000		0	0	287	0	8
348			z	z	z		0	0	8	0	1
349			z	z	z		0	0	2	0	0
350			z	z	z		0	0	0	0	0
351			z	z	z		0	0	273	0	7
352									4	0	0
353	Dundas East, Richland, Jasper	1942	440	664,000	93,000		0	0	16	0	0
354			z	z	z		0	0	2	0	0
355			z	z	z		0	0	14	0	0
356	Eldorado, Saline	1941	40	9,000	1,000		0	0	2	0	0
357			z	z	z		0	0	0	0	0
358			z	z	z		0	0	1	0	0
359			z	z	z		0	0	1	0	0
360	Elk Prairie, Jefferson	1938 ²⁷	10	700	0		0	0	1	0	0
361	Elkville, Jackson	1941	10	3,000	500		0	0	1	0	0

²⁷ Abandoned 1940.

TABLE 1.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ³		Character of Oil ^b		Producing Formation						Deepest Zone Tested ^b to End of 1945		
	Oil ^b		Gas	Initial	Avg./End 1945	Secondary Recovery ^a	Gravity A.P.I. at 60°F. ⁶	Sulphur, Per Cent	Name and Age ^d	Character ^e	Porosity, Per Cent ^f	Depth to Top of Producing Zone, Ft. ^g	Productive Thickness ^h Avg. Ft., ⁱ Net	Structure ^o	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift														
299	0	2	0	z	z		z	z	Rosiclare; MisL ^a	SL	P	2,870	6	AC		
300	0	4	0	z	z		z	z	McClosky; MisL	L	P	2,885	10	AC		
301	0	61	0						"							
302	0	16	0	z	z		37.0	z	Tar Springs; MisU	S	P	2,270	20	AL	MisL	3,115
303	0	7	0	z	z		z	z	Cypress; MisU	z	P	2,623	10	AL		
304	0	6	0	z	z		z	z	Aux Vases; MisU	z	P	2,905	15	AL		
305	0	0	0	z	z		z	z	Lower O'Hara; MisL	OL	P	2,930	8	AC		
306	0	22	0	z	z		z	z	McClosky; MisL	OL	P	2,989	10	AC		
307	0	10	0						"							
308	0	1	0	z	z		z	z	Lower O'Hara; MisL	L	P	2,880	8	MC	MisL	2,952
309	0	2	0	z	z		z	z	Tar Springs; MisU	z	P	2,300	20	MF	MisL	3,096
310	0	1	0	z	z		36.4	0.40	Aux Vases; MisU	z	P	1,825	10	M	Dev	3,226
311	0	131	0	z	z		37.4	0.19	Bethel; MisU	z	P	1,260	14	A	Dev	2,887
312	0	7	0	z	z		39.4	0.18	McClosky; MisL	OL	P	3,310	8	AC	MisL	3,389
313	0	25	0						"						MisL	3,175
314	0	4	0	z	z		z	z	Waltersburg; MisU	S	P	2,150	8	AL		
315	0	13	0	z	z		36.6	0.23	Cypress; MisU	z	P	2,630	15	A		
316	0	1	0	z	z		z	z	Bethel; MisU ⁹	z	P	2,770	z	AL		
317	0	1	0	z	z		z	z	Rosiclare; MisL	SL	P	2,860	4	AC		
318	0	5	0	z	z		z	z	McClosky; MisL	L	P	2,995	5	AC		
319	0	2	0						"							
320	0	10	0	z	z		35.4	0.23	Bethel; MisU	S	P	2,070	10	A	MisL	2,335
321	0	21	0	z	z	P	38.7	0.18	McClosky; MisL	L	P	3,315	10	A	MisL	3,497
322	0	393	0	1	0	G			"						Dev	5,354
323	0	22	0	z	z		z	z	Tar Springs; MisU	S	P	2,430	25	AL		
324	0	40	0	z	z		37.6	0.25	Cypress; MisU	z	P	2,680	18	A		
325	0	7	0	z	z		z	z	Paint Creek; MisU	z	P	2,865	z	A		
326	0	60	0	z	z		39.0	0.19	Bethel; MisU	z	P	2,950	20	A		
327	0	175	0	z	z		38.0	0.15	Aux Vases; MisU	z	P	3,020	19	A		
328	0	2	0	z	z		z	z	Lower O'Hara; MisL	L	P	3,050	6	AC		
329	0	3	0	z	z		38.6	z	Rosiclare; MisL ^a	SL	P	3,060	15	AC		
330	0	3	0	z	z		38.6	0.19	McClosky; MisL	L	P	3,075	5	AC		
331	0	84	0						"							
332	0	10	0						"							
333	0	9	0	z	z		z	z	Lower O'Hara; MisL ^a	L	P	2,700	6	AC	MisL	2,921
334	0	1	0	z	z		z	z	McClosky; MisL	L	P	2,750	10	AC		
335	0	1	0						"							
336	0	41	0	z	z				"						MisL	2,865
337	0	3	0	z	z		z	z	Lower O'Hara; MisL	L	P	2,690	7	AC		
338	0	1	0	z	z		z	z	Rosiclare; MisL	SL	P	2,696	10	AC		
339	0	33	0	z	z		z	z	McClosky; MisL	L	P	2,740	14	AC		
340	0	4	0						"							
341	0	80	0						"							
342	0	80	0	z	27.5		39.0	0.23	Bethel; MisU	S	P	1,950	13	A	Dev	3,874
343	0	0	0	z	z		z	z	Rosiclare; MisL	z	P	2,100	8	A		
344	0	1	0	z	z		z	z	Bethel; MisU	z	P	1,931	5	A	MisL	2,265
345	0	7	0	z	z		38.0	0.26	Bethel; MisU	z	P	1,355	8	A	Dev	3,535
346	0	1	0	z	z		z	z	Bethel; MisU	S	P	1,345	6	z	MisL	1,685
347	0	259	0			W			"						Dev	4,585
348	0	6	0	z	z		37.0	z	Cypress; MisU	S	P	2,520	12	AL		
349	0	2	0	z	z		38.0	z	Aux Vases; MisU	z	P	2,795	9	A		
350	0	2	0	z	z		z	z	Rosiclare; MisL	SL	P	2,845	6	AL		
351	0	235	0	z	z		38.4	0.17	McClosky; MisL	OL	P	2,974	7	A		
352	0	14	0						"							
353	0	15	0						"							
354	0	2	0	z	z		z	z	Lower O'Hara; MisL	OL	P	2,940	10	A	MisL	3,105
355	0	13	0	z	z		z	z	McClosky; MisL	OL	P	3,000	8	A		
356	0	1	0						"						MisL	3,000
357	0	0	0	z	z		z	z	"							
358	0	1	0	z	z		34.2	0.14	Tar Springs; MisU	S	P	2,206	20	A		
359	0	0	0	z	z		z	z	Aux Vases; MisU	S	P	2,813	20	A		
360	0	0	0	z	z		z	z	McClosky; MisL	L	P	2,942	8	A		
361	0	1	0	z	z		35.8	0.22	McClosky; MisL	L	P	2,730	7	z	MisL	3,000
									Bethel; MisU	S	P	2,000	10	z	MisL	2,387

TABLE 1.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells ^c		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^d	Millions Cu. Ft. ^e		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
362	Ellery, Edwards, Wayne	1941	40	43,000	6,000		0	0	2	0	0
363			z	z	z		0	0			
364			z	z	z		0	0	2	0	0
365									0	0	0
366	Ellery North, Edwards	1942 ²⁸	20	3,000	0		0	0	1	0	0
367	Ellery South, Edwards	1943	100	30,000	11,000		0	0	3	1	0
368	Epworth, White	1941	120	229,000	30,000		0	0	10	0	1
369			z	z	z		0	0	2	0	0
370			z	z	z		0	0	6	0	0
371			z	z	z		0	0	1	0	1
372			z	z	z		0	0	1	0	0
373	Ewing, Franklin	1944	140	86,000	83,000		0	0	6	5	0
374	Exchange, Marion	1943	80	27,000	7,000		0	0	2	0	0
375			z	z	z		0	0			
376			z	z	z		0	0	2	0	0
377									0	0	
378	Fairfield, Wayne	1942	40	14,000	5,000		0	0	2	0	0
379	Fairman, Marion, Clinton	1939	460	1,116,000	96,000		0	0	25	0	0
380	Fitzgerrell, Jefferson	1944	10	4,000	3,000		0	0	1	0	0
381	Flora, Clay	1938	600	727,000	138,000		0	0	28	1	0
382			z	z	z		0	0	1	0	0
383			z	z	z		0	0			
384			z	z	z		0	0	26	1	0
385									1	0	0
386	Friendsville, Wabash	1942	500	471,000	125,000		0	0	35	0	1
387			z	z	z		0	0	10	0	0
388			z	z	z		0	0	1	0	0
389			z	z	z		0	0	9	0	0
390			z	z	z		0	0	0	0	0
391			z	z	z		0	0	2	0	0
392			z	z	z		0	0	5	0	0
393			z	z	z		0	0	0	0	0
394			z	z	z		0	0	1	0	0
395									7	0	1
396	Gallagher, Richland	1945	20	2,000	2,000		0	0	1	0	0
397	Geff, Wayne	1941	500	834,000	184,000		0	0	27	0	1
398			z	z	z		0	0	19	0	0
399			z	z	z		0	0	1	0	0
400			z	z	z		0	0	7	0	1
401	Geff West, Wayne	1942	60	61,000	14,000		0	0	3	0	0
402	Goldengate Consolidated, Wayne	1939	860	1,152,000	206,000		0	0	40	3	0
403			z	z	z		0	0	4	0	0
404			z	z	z		0	0	3	1	0
405			z	z	z		0	0	4	1	0
406			z	z	z		0	0	17	0	0
407									12	1	0
408	Goldengate North, Wayne	1945	40	4,000	4,000		0	0	2	2	0
409			z	z	z		0	0			
410			z	z	z		0	0			
411									2	0	0
412	Gossett, White	1943	40	500	0		0	0	1	0	0
413	Grayville, Edwards, White	1939	300	510,000	78,000		0	0	24	0	3
414			z	z	z		0	0	0	0	0
415			z	z	z		0	0	1	0	0
416			z	z	z		0	0	1	0	0
417			z	z	z		0	0	1	0	0
418			z	z	z		0	0	20	0	3
419									1	0	0
420	Grayville West, White	1941	30	46,000	6,000		0	0	3	0	0
421			z	z	z		0	0	1	0	0
422			z	z	z		0	0	2	0	0
423	Herald, White Gallatin	1940	800	397,000	89,000		0	0	49	21	0
424			z	z	z		0	0	4	0	0
425			z	z	z		0	0	2	0	0

²⁸ Abandoned 1943.

TABLE 1.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ^b		Secondary Recovery ^a	Character of Oil ^c		Producing Formation						Deepest Zone Tested ^d to End of 1945	
	Flowing	Artificial Lift	Gas	Initial	Avg./End 1945		Gravity A.P.I. at 60°F. ^e	Sulphur, Per Cent	Name and Age ^f	Character ^g	Porosity, Per Cent ^h	Depth to Top of Producing Zone, Ft. ^m	Productive Thickness, Avg. Ft., ⁿ Net	Structure ^o	Name	Depth of Hole, Ft.
362	0	2	0						Aux Vases; MisU ⁹	S	P	3,242	20	AL	MisL	3,365
363							39.1		McClosky; MisL	L	P	3,340	10	A		
364	0	1	0													
365	0	1	0													
366	0	0	0				37.6	0.19	McClosky; MisL	L	P	3,350	7	MC	MisL	3,496
367	0	2	0	225±			39.0		McClosky; MisL	L	P	3,320	11	MC	MisL	3,373
368	0	8	0													3,195
369	0	2	0						Degouia; MisU	S	P	2,090	6	A		
370	0	6	0				36.2		Clore; MisU	S	P	2,070	15	A		
371	0	0	0						Palestine; MisU	S	P	2,100	15	A		
372	0	0	0						Bethel; MisU	S	P	2,825	16	A		
373	0	6	0						McClosky; MisL	L	P	3,000	8	A	MisL	3,094
374	0	2	0												MisL	2,868
375									Lower O'Hara; MisL ⁹	L	P	2,729	2	MC		
376	0	1	0						McClosky; MisL	L	P	2,735	8	MC		
377	0	1	0													
378	0	1	0						Aux Vases; MisU	S	P	3,235	14	AL	MisL	3,410
379	0	17	0				38.2	0.21	Bethel; MisU	S	P	1,440	9	A	"Trentou"	4,100
380	0	1	0						Bethel; MisU	S	P	2,760	14	A	MisL	3,012
381	0	25	0												MisL	3,100
382	0	2	0				37.4		Bethel; MisU	S	P	2,790	20	A		
383									Aux Vases; MisU ⁹	S	P	2,875	28	A		
384	0	22	0				37.2	0.24	McClosky; MisL	OL	P	2,970	6	A		
385	0	1	0													
386	0	30	0												MisL	2,798
387	0	9	0				31.0	0.22	Bieh; Pen	S	P	1,760	15	A		
388	0	1	0				27.3	0.25	Palestine; MisU	S	P	1,785	13	A		
389	0	7	0				35.2	0.17	Cypress; MisU	S	P	2,300	12	A		
390	0	0	0						Paint Creek; MisU	S	P	2,465	15	A		
391	0	1	0				36.7	0.18	Bethel; MisU	S	P	2,475	10	A		
392	0	4	0						Lower O'Hara; MisL	OL	P	2,633	6	AC		
393	0	1	0						Rosiclar; MisL	SL	P	2,650	5	AC		
394	0	0	0						McClosky; MisL	L	P	2,655	5	AC		
395	0	6	0													
396	0	1	0						McClosky; MisL	OL	P	3,170	9	MC	MisL	3,243
397	0	26	0												MisL	3,390
398	0	19	0				40.4	0.13	Aux Vases; MisU	S	P	3,065	14	AL		
399	0	1	0						Rosiclar; MisL	OL	P	3,089	4	AC		
400	0	6	0				34.0	0.33	McClosky; MisL	OL	P	3,135	5	AC		
401	0	3	0						Aux Vases; MisU	S	P	3,130	20	AL	MisL	3,320
402	0	33	0												Dev	5,645
403	0	0	0						Aux Vases; MisU	S	P	3,180	15	AL		
404	0	3	0						Lower O'Hara; MisL	OL	P	3,252	6	AC		
405	0	0	0						Rosiclar; MisL	SL	P	3,275	5	AC		
406	0	2	0				34.4	0.18	McClosky; MisL	OL	P	3,308	9	AC		
407	0	28	0													
408	0	2	0													
409									Lower O'Hara; MisL ⁹	L	P	3,300	9	AC	MisL	3,407
410									Rosiclar; MisL ⁹	SL	P	3,325	6	AC		
411	0	2	0													
412	0	1	0						McClosky; MisL	OL	P	3,080	3	MF	MisL	3,090
413	0	15	0												MisL	3,280
414	0	3	0						Bieh; Pen	S	P	1,880	9	MF		
415	0	1	0						Palestine; MisU	S	P	2,098	12	AL		
416	0	1	0						Cypress; MisU	S	P	2,810	16	A		
417	0	1	0						Rosiclar; MisL	L	P	3,122	2	A		
418	0	8	0				35.8	0.31	McClosky; MisL	L	P	3,100	10	A		
419	0	1	0													
420	0	2	0													
421	0	1	0				37.0		Cypress; MisU	S	P	2,860	16	MF	MisL	3,275
422	0	1	0						McClosky; MisL	OL	P	3,180	10	MF		
423	0	42	0												MisL	3,394
424	0	3	0				28.0		Pennsylvanian; Pen	S	P	1,500	15	A		
425	0	1	0						Pennsylvanian; Pen	S	P	1,750	18	MF		

TABLE 1.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells ^c		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^d	Millions Cu. Ft. ^e		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
426			x	x	x	0	0	1	0	0	
427			x	x	x	0	0	7	2	0	
428			x	x	x	0	0	17	11	0	
429			x	x	x	0	0	2	0	0	
430			x	x	x	0	0	12	4	0	
431			x	x	x	0	0	3	3	0	
432								1	1	0	
433	Hidalgo, Jasper	1940 ²⁹	20	10,000	0	0	0	2	0	0	
434	Hill, Effingham	1943	40	31,000	8,000	0	0	2	0	1	
435	Hoffman, Clinton	1939	220	517,000	36,000	0	0	46	0	0	
436			x	x	x	0	0	10	0	0	
437			x	x	x	0	0	35	0	0	
438								1	0	0	
439	Hoodville East, Hamilton	1944 ³⁰	20	600	0	0	0	1	0	0	
440	Huey, Clinton	1945	30	200	200	0	0	3	3	0	
441	Hunt City, Jasper	1945	20	0	0	0	0	1	1	0	
442	Ina, Jefferson	1938	20	16,000	200	0	0	2	0	0	
443	Ingraham, Clay	1942 ³¹	80	3,000	0	0	0	3	0	0	
444	Ingraham West, Clay	1945	30	31,000	31,000	0	0	2	2	0	
445			10	x	x	0	0	1	1	0	
446			20	x	x	0	0	1	1	0	
447	Inman, Gallatin	1940	60	70,000	10,000	0	0	6	0	1	
448			x	x	x	0	0	2	0	0	
449			x	x	x	0	0	1	0	1	
450			x	x	x	0	0	2	0	0	
451			x	x	x	0	0	1	0	0	
452	Inman East, Gallatin	1940	1,080	3,104,000	544,000	0	0	101	2	0	
453			x	x	x	0	0	4	0	0	
454			x	x	x	0	0				
455			x	x	x	0	0	1	0	0	
456			x	x	x	0	0	1	0	0	
457			x	x	x	0	0	17	0	0	
458			x	x	x	0	0	46	0	0	
459			x	x	x	0	0	0	0	0	
460			x	x	x	0	0	18	1	0	
461			x	x	x	0	0	3	0	0	
462								11	1	0	
463	Inman North, Gallatin	1941	70	10,000	1,000	0	0	4	0	0	
464			10	x	0	0	0	1	0	0	
465			60	x	1,000	0	0	3	0	0	
466	Inman West, Gallatin	1942	320	381,000	69,000	0	0	21	0	0	
467			x	x	x	0	0	1	0	0	
468			x	x	x	0	0	15	0	0	
469			x	x	x	0	0				
470								5	0	0	
471	Iola, Clay	1942 ³²	1,500	2,834,000	735,000	0	0	112	7	3	
472			x	x	x	0	0				
473			x	x	x	0	0	15	7	0	
474			x	x	x	0	0				
475			x	x	x	0	0	5	0	0	
476			x	x	x	0	0	56	0	2	
477			x	x	x	0	0	9	0	1	
478			x	x	x	0	0				
479			x	x	x	0	0				
480			x	x	x	0	0				
481								27	0	0	
482	Iola West, Clay	1945 ³³	20	500	500	0	0	1	1	1	
483	Iron, White	1940	900	3,122,000	181,000	0	0	70	0	0	
484			x	x	x	0	0				
485			x	x	x	0	0	5	0	0	

²⁹ Abandoned 1943.³⁰ Abandoned 1944.³¹ Abandoned 1942, revived 1943, abandoned 1944.³² Abandoned 1940, revived 1941.³³ Abandoned 1945.

TABLE 1.—(Continued)

Line Number	Wells Producing ² Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ⁵		Secondary Recovery ⁴	Character of Oil ¹		Producing Formation						Deepest Zone Tested ³ to End of 1945	
	Oil ¹		Initial	Avg./End 1945	Gravity A.P.I. at 60°F. ⁶		Sulphur, Per Cent	Name and Age ⁷	Character ⁸	Porosity, Per Cent ¹	Depth to Top of Producing Zone, Ft. ¹⁰	Productive Thickness, Avg. Ft., ¹¹ Net	Structure ⁹	Name	Depth of Hole, Ft.	
	Flowing	Artificial Lift														Gas
426	0	0	0	z	z		z	z	Waltersburg; MisU	S	P	z	z			
427	0	6	0	z	z		37.2	0.24	Tar Springs; MisU	S	P	2,260	15	AL		
428	0	14	0	z	z		z	z	Cypress; MisU	S	P	2,660	10	AL		
429	0	2	0	z	z		z	z	Bethel; MisU	S	P	2,790	10	AL		
430	0	10	0	z	z		z	z	Aux Vases; MisU	S	P	2,920	11	AL		
431	0	3	0	z	z		z	z	McClosky; MisL	L	P	2,967	6	A		
432	0	3	0													
433	0	0	0	z	z		38.6	0.20	McClosky; MisL	L	P	2,598	8	MC	Dev	
434	0	1	0	z	z		39.0	z	McClosky; MisL	L	P	2,570	6	A	MisL	
435	0	34	0												Dev	
436	0	z	0	z	z		z	z	Cypress; MisU	S	P	1,180	11	A		
437	0	z	0	z	z		32.2	0.21	Bethel; MisU	S	P	1,320	7	A		
438	0	z	0													
439	0	0	0	z	z		z	z	McClosky; MisL	L	P	3,364	3	N	MisL	
440	0	3	0	z	z		z	z	Bethel; MisU	S	P	1,255	10	AL	Dev	
441	0	1	0	z	z		z	z	Rosiclare; MisL	SL	P	2,540	13	MC	MisL	
442	0	1	0	z	z		36.4	0.20	St. Louis; MisL	L	P	3,000	5	AC	MisL	
443	0	0	0	z	z		z	z	McClosky; MisL	OL	P	3,100	7	MC	MisL	
444	0	2	0													
445	0	1	0	z	z		z	z	Cypress; MisU	S	P	2,526	16	AL		
446	0	1	0	z	z		z	z	McClosky; MisL	L	P	2,832	10	AC		
447	0	3	0												MisL	
448	0	2	0	z	z		30.6	z	Palestine; MisU	S	P	1,830	10	AL		
449	0	0	0	z	z		z	z	Waltersburg; MisU	S	P	1,990	10	AL		
450	0	1	0	z	z		z	z	Aux Vases; MisU	S	P	2,695	12	AL		
451	0	0	0	z	z		z	z	McClosky; MisL	L	P	2,730	10	AC		
452	0	99	0												MisL	
453	0	4	0	z	z		24.0	0.31	Pennsylvanian; Pen	S	P	780	10	Af		
454	0	1	0	z	z		z	z	Degonia; MisU ⁹	S	P	1,690	10	Af		
455	0	0	0	z	z		z	z	Clore; MisU	S	P	1,725	10	Af		
456	0	1	0	z	z		z	z	Palestine; MisU	S	P	1,840	13	Af		
457	0	17	0	z	z		z	z	Waltersburg; MisU	S	P	1,980	18	ALf		
458	0	43	0	z	z		34.6	0.24	Tar Springs; MisU	S	P	2,080	15	AF		
459	0	2	0	z	z		z	z	Hardinsburg; MisU	S	P	2,135	10	ALf		
460	0	18	0	z	z		35.2	0.23	Cypress; MisU	S	P	2,390	12	ALf		
461	0	3	0	z	z		z	z	McClosky; MisL	L	P	2,800	10	ACf		
462	0	11	0													
463	0	1	0												MisL	
464	0	0	0	z	z		z	z	Aux Vases; MisU	S	P	2,815	20	ML		
465	0	1	0	z	z		36.6	0.19	McClosky; MisL	L	P	2,860	15	MC		
466	0	19	0												MisL	
467	0	1	0	z	z		z	z	Tar Springs; MisU	S	P	2,175	20	AL		
468	0	13	0	z	z		38.0	z	Cypress; MisU	S	P	2,485	15	AL		
469	0	z	z	z	z		z	z	McClosky; MisL ⁹	L	P	2,875	8	A		
470	0	5	0													
471	0	103	0	z	z		z	z							MisL	
472	0		z	z	z		z	z	Tar Springs; MisU ⁹	S	P	1,890	9	D		
473	0	8	0	z	z		z	z	Cypress; MisU	S	P	2,125	20	D		
474	0		z	z	z		z	z	Paint Creek; MisU ⁹	S	P	2,255	9	D		
475	0	5	0	z	z		36.0	0.14	Bethel; MisU	S	P	2,290	14	D		
476	0	52	0	z	z		35.4	0.25	Aux Vases; MisU	S	P	2,335	14	D		
477	0	8	0	z	z		z	z	McClosky; MisL	OL	P	2,425	10	ML		
478	0		z	z	z		z	z	Paint Creek; MisU ⁹	S	P	2,240	15	D		
479	0		z	z	z		z	z	Renault; MisU ⁹	S	P	2,320	9	D		
480	0		z	z	z		z	z	Rosiclare; MisL ⁹	SL	P	2,410	7	D		
481	0	30	0													
482	0	0	0	z	z		z	z	McClosky; MisL	L	P	2,495	2	z	MisL	
483	0	60	0												MisL	
484	0		z	z	z		z	z	Waltersburg; MisU	S	P	2,270	8	AL		
485	0	4	0	z	z		36.4	z	Tar Springs; MisU	S	P	2,385	12	ALf		

TABLE 1.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production		Gas Production		Number of Oil and/or Gas Wells ^f				
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^d	Millions Cu. Ft. ^e		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
486			x	x	x		0	0	38	0	0
487			x	x	x		0	0	2	0	0
488			x	x	x		0	0	1	0	0
489			x	x	x		0	0	21	0	0
490									3	0	0
491	Irrington, Washington.....	1940	920	3,649,000	358,000		0	0	88	4	0
492			x	x	x		0	0	2	0	0
493			x	x	x		0	0	78	4	0
494			x	x	x		0	0			
495			100	x	59,000		0	0	7	0	0
496									1	0	0
497	Johnsonville Consolidated, Wayne.....	1941	6,000	17,162,000	1,800,000		0	0	303	20	2
498			x	x	x		0	0	60	1	0
499			x	x	x		0	0	4	0	0
500			x	x	x		0	0	3	0	0
501			x	x	x		0	0	218	16	2
502									18	3	0
503	Johnsonville North, Wayne.....	1943	40	25,000	7,000		0	0	1	0	0
504			x	x	x		0	0			
505			x	x	x		0	0			
506									1	0	0
507	Johnsonville South, Wayne.....	1942	50	14,000	1,000		0	0	3	0	1
508			10	x	x		0	0	1	0	1
509			40	x	x		0	0	2	0	0
510	Johnsonville West, Wayne.....	1942 ²⁴	30	4,000	1,000		0	0	2	0	0
511			10	x	x		0	0	1	0	0
512			20	x	x		0	0	1	0	0
513	Junction, Gallatin.....	1939	150	227,000	16,000		0	0	14	0	0
514	Keensburg Consolidated, Wabash.....	1939	1,940	6,611,000	436,000		0	0	255	1	6
515			x	x	x		0	0	17	0	0
516			x	x	x		0	0	1	0	0
517			x	x	x		0	0	4	0	0
518			x	x	x		0	0	0	0	0
519			x	x	x		0	0	211	1	5
520			x	x	x		0	0	2	0	0
521			x	x	x		0	0	1	0	0
522			x	x	x		0	0	6	0	1
523									13	0	0
524	Keensburg East, Wabash.....	1939 ²⁵	60	6,000	x		0	0	3	1	0
525			40	x	x		0	0	2	0	0
526			20	x	x		0	0	1	1	0
527	Keensburg South, Wabash.....	1944	40	34,000	19,000		0	0	3	1	0
528			20	13,000	9,000		0	0	2	1	0
529			20	21,000	10,000		0	0	1	0	0
530	Keenville, Wayne.....	1945	20	6,000	6,000		0	0	2	2	1
531	Kell, Jefferson.....	1942 ²⁶	10	3,000	0		0	0	1	0	0
532	Kenner, Clay.....	1942	560	270,000	167,000		0	0	43	16	1
533			x	x	x		0	0	1	1	0
534			x	x	x		0	0	40	14	0
535			x	x	x		0	0			
536			x	x	x		0	0	1	1	1
537									1	0	0
538	King, Jefferson.....	1942	670	655,000	174,000		0	0	33	3	3
539			x	x	x		0	0	24	3	1
540			x	x	x		0	0			
541			x	x	x		0	0	2	0	0
542			x	x	x		0	0			
543									7	0	2
544	LaCleda, Fayette.....	1943	40	4,000	2,000		0	0	1	0	0
545	Lakewood, Shelby.....	1941	20	36,000	6,000		0	0	2	0	0
546			x	x	x		0	0	1	0	0
547			x	x	x		0	0	1	0	0

²⁴ Abandoned 1942, revived 1943.²⁵ Abandoned 1943, revived 1945.²⁶ Abandoned 1944.

TABLE 1.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ^b		Secondary Recovery ^a	Character of Oil ^b		Producing Formation						Deepest Zone Tested ^a to End of 1945	
	Oil ^b			Initial	Avg./End 1945		Gravity A.P.I. at 60°F. ^c	Sulphur, Per Cent	Name and Age ^d	Character ^k	Porosity, Per Cent ⁱ	Depth to Top of Producing Zone, Ft. ^m	Productive Thickness, Avg. Ft., ⁿ Net	Structure ^o	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift	Gas													
486	0	32	0	x	x		38.4	0.30	Hardinsburg; MisU	S	P	2,500	18	AF		
487	0	2	0	x	x		38.0	x	Cypress; MisU	S	P	2,720	20	AL		
488	0	0	0	x	x		x	x	Bethel; MisU	S	P	2,850	15	AL		
489	0	17	0	x	x		39.0	0.20	McClosky; MisL	OL	P	3,060	15	AC ^f		
490	0	5	0						"							
491	0	86	0													
492	0	1	0	x	x		x	x	Cypress; MisU	S	P	1,380	10	A	Dev	3,362
493	0	73	0	x	x		37.6	0.16	Bethel; MisU	S	P	1,535	10	A		
494	0			x	x		x	x	Aux Vases; MisU ^g	S	P	1,605	x	A		
495	0	7	0	x	x		39.0	0.27	Devonian; Dev	L	Cav	3,090	5	A		
496	0	5	0						"							
497	0	285	0													
498	0	60	0	x	x		39.4	0.14	Aux Vases; MisU	S	P	3,020	20	AL	Dev	5,198
499	0	3	0	x	x		x	x	Lower O'Hara; MisL	OL	P	3,120	10	AC		
500	0	2	0	x	x		x	x	Rosiclare; MisL	OL	P	3,150	8	AC		
501	0	188	0	x	x		39.4	0.16	McClosky; MisL	OL	P	3,169	15	AC		
502	0	32	0						"							
503	0	1	0													
504				x	x		x	x	Lower O'Hara; MisL ^g	OL	P	3,192	5	AC	MisL	3,320
505				x	x		x	x	McClosky; MisL ^g	OL	P	3,254	3	AC		
506	0	1	0						"							
507	0	1	0													
508	0	0	0	x	x		39.0	x	Aux Vases; MisU	S	P	3,087	20	x	MisL	3,266
509	0	1	0	x	x		x	x	McClosky; MisL	OL	P	3,180	3	x		
510	0	1	0													
511	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	2,970	13	ML	MisL	3,185
512	0	0	0	x	x		x	x	McClosky; MisL ^g	OL	P	3,107	2	MC		
513	0	14	0	x	x		37.2	0.22	Waltersburg; MisU	S	P	1,765	15	AF	MisL	2,710
514	0	180	0			W										3,065
515	0	11	0	x	x		38.0	x	Biehl; Pen	S	P	1,720	10	AL		
516	0	1	0	x	x		x	x	Clore; MisU	S	P	1,830	10	AL		
517	0	2	0	x	x		x	x	Palestine; MisU	S	P	1,900	13	AL		
518	0	0	0	x	x		x	x	Tar Springs; MisU	S	P	2,100	15	AL		
519	0	150	0	x	x		38.6	0.29	Cypress; MisU	S	P	2,250	18	A		
520	0	2	0	x	x		x	x	Paint Creek; MisU	S	P	2,550	12	AL		
521	0	1	0	x	x		36.6	x	Bethel; MisU	S	P	2,575	18	AL		
522	0	3	0	x	x		37.7	0.38	McClosky; MisL	OL	P	2,800	7	AC		
523	0	10	0						"							
524	0	1	0													
525	0	0	0	x	x		37.6	0.26	McClosky; MisL	OL	P	2,710	6	MC	MisL	2,741
526	0	1	0	x	x		x	x	Lower O'Hara; MisL	OL	P	2,716	6	MC		
527	0	3	0													
528	0	2	0	300±	x		x	x	Pennsylvanian; Pen	S	P	1,140	15	AL	MisL	2,882
529	0	1	0	x	x		x	x	McClosky; MisL	OL	P	2,714	10	AC		
530	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	2,980	5	AL	MisL	3,158
531	0	0	0	x	x		36.2	0.26	McClosky; MisL	L	P	2,625	6	A	MisL	2,720
532	0	42	0													3,035
533	0	1	0	x	x		x	x	Tar Springs; MisU	S	P	2,200	5	x		
534	0	40	0	x	x		36.8	0.22	Bethel; MisU	S	P	2,660	10	AC		
535	0			x	x		x	x	Aux Vases; MisU ^g	S	P	2,820	9	A		
536	0	0	0	x	x		x	x	McClosky; MisL	L	P	2,928	7	x		
537	0	1	0						"							
538	0	25	0													
539	0	22	0	x	x		38.6	0.17	Aux Vases; MisU	S	P	2,730	20	AL	Dev	4,760
540	0			x	x		x	x	Lower O'Hara; MisL ^g	L	P	2,770	10	AC		
541	0	1	0	x	x		39.6	0.16	Rosiclare; MisL	SL	P	2,815	10	AC		
542	0			x	x		x	x	McClosky; MisL ^g	L	P	2,840	7	AC		
543	0	2	0						"							
544	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,335	20	T	MisL	2,608
545	0	2	0													1,875
546	0	1	0	x	x		29.6	x	Bethel; MisU	S	P	1,692	9	x		
547	0	1	0	x	x		31.7	0.23	Aux Vases; MisU	S	P	1,723	9	x		

TABLE 1.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells ^f		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^d	Millions Cu. Ft. ^e		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
548	Lancaster, Wabash, Lawrence.....	1940	1,100	1,519,000	583,000		0	0	94	24	3
549			x	x	x		0	0	4	0	0
550			x	x	x		0	0	59	24	0
551			x	x	x		0	0	1	0	0
552			x	x	x		0	0	29	0	3
553									1	0	0
554	Lancaster East, Wabash.....	1944	10	1,500	1,500		0	0	1	0	0
555	Lancaster West, Edwards, Wabash.....	1943	80	131,000	53,000		0	0	4	0	0
556			60	x	x		0	0	3	0	0
557			20	x	x		0	0	1	0	0
558	Leech Township, Wayne.....	1938	280	480,000	41,000		0	0	16	2	0
559			x	x	x		0	0			
560			x	x	x		0	0			
561			x	x	x		0	0	15	1	0
562									1	1	0
563	Louden, Fayette, Effingham.....	1937	20,650	121,988,000	9,380,000	80	x	31.5	1,987	0	5
564						80	x	31.5	2	0	0
565			20,080	x	x		0	0	949	0	2
566			11,000	x	x		0	0	323	0	0
567			7,010	x	x		0	0	420	0	3
568			x	x	x		0	0	0	0	0
569			3,130	8,354,000	1,431,000		0	0	84	0	0
570									211	0	0
571	McKinley, Washington.....	1940	80	187,000	7,000		0	0	8	0	0
572			60	x	x		0	0	7	0	0
573			20	x	0		0	0	1	0	0
574	Maple Grove, Edwards.....	1943	520	720,000	178,000		0	0	20	2	0
575	Maple Grove East, Edwards.....	1944	120	18,000	6,000		0	0	3	0	0
576	Maple Grove South, Edwards.....	1945	20	5,000	5,000		0	0	1	1	0
577	Marcoe, Jefferson.....	1938 ³⁷	20	12,500	0		0	0	2	0	0
578	Marine, Madison.....	1943	1,160	1,326,000	828,000		0	0	56	28	0
579	Markham City, Jefferson.....	1942	660	840,000	102,000		0	0	19	0	3
580			x	x	x		0	0	0	0	0
581			x	x	x		0	0	18	0	3
582									1	0	0
583	Markham City North, Jefferson, Wayne..	1943	480	570,000	98,000		0	0	15	0	1
584			x	x	x		0	0	2	0	1
585			x	x	x		0	0	13	0	0
586	Markham City West, Jefferson.....	1945	10	1,000	1,000		0	0	1	1	0
587	Mason, Effingham.....	1940	100	181,000	10,000		0	0	9	0	0
588	Mason South, Effingham.....	1941	660	913,000	257,000		0	0	57	11	2
589			x	x	x		0	0	21	0	0
590			x	x	x		0	0	10	7	0
591			x	x	x		0	0	5	1	0
592			x	x	x		0	0	3	0	2
593									18	3	0
594	Mattoon, Calas.....	1939 ³⁹	1,960	506,000	445,000		0	0	73	61	0
595			x	x	x		0	0	8	6	0
596			x	x	x		0	0	44	35	0
597			x	x	x		0	0	1	0	0
598									20	20	0
599	Maud, Wabash.....	1940	250	390,000	25,000		0	0	20	0	0
600			x	x	x		0	0	2	0	0
601			x	x	x		0	0	0	0	0
602			x	x	x		0	0	1	0	0
603			x	x	x		0	0	0	0	0
604			x	x	x		0	0	1	0	0
605			x	x	x		0	0	14	0	0
606									2	0	0
607	Maunie, White.....	1941	60	37,000	8,000		0	0	3	0	0
608			x	x	x		0	0	2	0	0
609			x	x	x		0	0	1	0	0
610	Maunie North, White.....	1941	240	171,000	49,000		0	0	13	0	0

³⁷ Abandoned 1941.³⁹ Abandoned 1939, revived 1940.

TABLE I.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ^b		Character of Oil ^c		Producing Formation						Deepest Zone Tested ^a to End of 1945		
	Oil ^d			Initial	Avg./End 1945	Secondary Recovery ^a	Gravity A.P.I. at 60° F. ^e	Sulphur, Per Cent	Name and Age ^j	Character ^k	Porosity, Per Cent ^l	Depth to Top of Producing Zone, Ft. ^m	Productive Thickness, Avg. Ft., ⁿ Net	Structure ^o	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift	Gas													
548	0	73	0						Paint Creek; MisU	S	P	2,320	22	AL	MisL	2,908
549	0	4	0	x	x		39.0	x	Bethel; MisU	S	P	2,530	12	AL		
550	0	56	0	x	x			x	Lower O'Hara; MisL	OL	P	2,672	11	AC		
551	0	1	0	x	x			x	McClosky; MisL	OL	P	2,690	5	A		
552	0	11	0	x	x		39.8	0.28								
553	0	1	0													
554	0	1	0	x	x		x	x	Biehl; Pen	S	P	1,750	10	ML	MisU	2,630
555	0	4	0												MisL	3,125
556	0	3	0	x	x		x	x	Lower O'Hara; MisL	L	P	2,850	8	MC		
557	0	1	0	x	x		x	x	Rosiclar; MisL	L	P	2,860	8	MC		
558	0	12	0												MisL	3,485
559				x	x		x	x	Aux Vases; MisU ⁹	S	P	3,375	18	ML		
560				x	x				Lower O'Hara; MisL ⁹	L	P	3,431	12	MC		
561	0	11	0	x	x		39.0	0.19	McClosky; MisL	OL	P	3,430	6	AC		
562	0	1	0													
563	125	1,762	2			G									St. Peter	4,680
564	0	0	2	x	x				Bartschi; Pen	S	P	1,000	15	AL		
565	23	x	0	x	231		36.6	0.25	Cypress; MisU	S	P	1,495	22	A		
566	0	x	0	x	266		38.7	0.24	Paint Creek; MisU	S	P	1,538	15	A		
567	0	x	0	x	275		38.5	0.20	Bethel; MisU	S	P	1,550	16	A		
568	0	2	0	x	x				Aux Vases; MisU	S	P	1,630	9	A		
569	17	65	0	x	1,250		28.2	0.48	Devonian; Dev	L	Cav	3,000	16	A		
570	85	548	0													
571	0	4	0												Dev	2,565
572	0	4	0	x	x		44.1	0.18	Bethel; MisU	S	P	1,000	7	A		
573	0	0	0	x	x		41.7		Devonian; Dev	L	Cav	2,250	10	A		
574	0	20	0	x	x				McClosky; MisL	L	P	3,270	8	A	MisL	3,340
575	0	3	0	x	x				McClosky; MisL	L	P	3,215	6	ML	MisL	3,315
576	0	1	0	x	x				Lower O'Hara; MisL	L	P	3,250	11	x	MisL	3,358
577	0	0	0	x	x		23.2	0.54	McClosky; MisL	L	P	2,745	15	x	MisL	3,066
578	0	56	0	600			x	x	Silurian; Sil	L	P	1,740	5	R ³⁸	Ord	2,590
579	0	14	0												MisL	3,215
580	0	2	0	x	x				Lower O'Hara; MisL	L	P	3,060	5	A		
581	0	12	0	x	x		38.2	0.08	McClosky; MisL	L	P	3,090	11	A		
582	0	0	0													
583	0	13	0												MisL	3,166
584	0	2	0	x	x				Aux Vases; MisU	S	P	2,950	10	AL		
585	0	11	0	x	x				McClosky; MisL	L	P	3,100	10	AC		
586	0	1	0	x	x				Aux Vases; MisU	S	P	2,913	6	x	MisL	3,166
587	0	5	0	x	x		38.4	0.21	McClosky; MisL	L	P	2,490	14	A	MisL	2,551
588	0	52	0												MisL	2,553
589	0	21	0	x	x		38.0	x	Bethel; MisU	S	P	2,290	20	A		
590	0	10	0	x	x				Aux Vases; MisU	S	P	2,360	14	A		
591	0	2	0	x	x				Rosiclar; MisL	S	P	2,430	8	A		
592	0	1	0	x	x		38.4	0.21	McClosky; MisL	L	P	2,450	7	A		
593	0	18	0													
594	2	68	0												Shakopee	4,915
595	0	6	0	x	x		44.1	0.16	Cypress; MisU	S	P	1,835	15	D		
596	2	42	0	x	x				Rosiclar; MisL	S	P	2,000	10	ML		
597	0	0	0	x	x		36.6	0.29	McClosky; MisL	OL	P	2,025	12	D		
598	0	20	0													
599	0	15	0												MisL	2,793
600	0	2	0	x	x		37.7	x	Waltersburg; MisU	S	P	1,935	17	AL		
601	0	1	0	x	x			x	Hardinsburg; MisU	S	P	2,115	22	AL		
602	0	1	0	x	x			x	Bethel; MisU	S	P	2,464	8	AL		
603	0	1	0	x	x			x	Aux Vases; MisU	S	P	2,550	12	AL		
604	0	0	0	x	x		38.0	0.30	Rosiclar; MisL	SL	P	2,640	9	AC		
605	0	8	0	x	x		38.0	0.30	McClosky; MisL	OL	P	2,650	8	A		
606	0	2	0													
607	0	2	0												MisL	3,050
608	0	1	0	x	x		x	x	Bridgeport; Pen	S	P	1,310	10	AL		
609	0	1	0	x	x		30.0	x	Palestine; MisU	S	P	2,010	6	AL		
610	0	13	0												MisL	3,120

³⁸ Reef structure.

TABLE 1.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells ^c		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^b	Millions Cu. Ft. ^c		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
611			z	z	z		0	0			
612			z	z	z		0	0		0	0
613			z	z	z		0	0	5	0	0
614			z	z	z		0	0	1	0	0
615			z	z	z		0	0	0	0	0
616			z	z	z		0	0	5	0	0
617			z	z	z		0	0	2	0	0
618	Maunie South, White	1941	960	1,799,000	184,000		0	0	83	3	0
619			z	z	z		0	0	4	0	0
620			z	z	z		0	0	5	1	0
621			z	z	z		0	0	33	0	0
622			z	z	z		0	0	1	0	0
623			z	z	z		0	0	24	0	0
624			z	z	z		0	0	1	0	0
625			z	z	z		0	0	9	0	0
626			z	z	z		0	0			
627			z	z	z		0	0	0	0	0
628			z	z	z		0	0	6	0	0
629	Maunie West, White	1945	20	10,000	10,000		0	0	1	1	0
630	Mayberry, Wayne	1941	200	223,000	25,000		0	0	6	0	0
631	Mill Shoals, White, Hamilton, Wayne	1939	1,950	3,803,000	351,000		0	0	134	0	1
632			z	z	z		0	0	107	0	1
633			z	z	z		0	0			
634			z	z	z		0	0	0	0	0
635			z	z	z		0	0	23	0	0
636			z	z	z		0	0	4	0	0
637	Mt. Auburn, Christian	1943	60	11,000	4,000		0	0	2	1	0
638	Mt. Carmel, Wabash	1940	3,360	5,874,000	834,000		z	z	357	28	6
639			z	z	z		0	0	42	2	1
640			z	z	z		0	0	3	0	0
641			z	z	z		0	0	1	0	0
642			z	z	z		0	0	6	2	0
643			z	z	z		0	0			
644			z	z	z		z	z	219	9	2
645			z	z	z		0	0	2	0	0
646			z	z	z		0	0	3	2	0
647			z	z	z		0	0	3	1	0
648			z	z	z		0	0	37	2	3
649			z	z	z		0	0	40	9	0
650	Mt. Carmel West, Wabash	1939	60	16,000	3,000		0	0	4	0	0
651			z	z	z		0	0	2	0	0
652			z	z	z		0	0	2	0	0
653	Mt. Erie North, Wayne	1944	70	20,000	4,000		0	0	4	0	0
654			10	10,000	4,000		0	0	1	0	0
655			60	10,000	100		0	0	3	0	0
656	Mt. Erie South, Wayne	1939 ⁴⁰	360	179,000	61,000		0	0	9	0	0
657			z	z	z		0	0	3	0	0
658			z	z	z		0	0	2	0	0
659			z	z	z		0	0	2	0	0
660			z	z	z		0	0	2	0	0
661	Mt. Olive, Montgomery	1942	30	1,000	0		0	0	3	0	0
662	Mt. Vernon, Jefferson	1943	160	103,000	33,000		0	0	7	0	2
663			z	z	z		0	0	3	0	1
664			z	z	z		0	0			
665			z	z	z		0	0	3	0	1
666			z	z	z		0	0	1	0	0
667	Nason, Jefferson	1943	20	7,000	2,000		0	0	1	0	0
668	New Bellaire, Crawford	1942	20	9,000	500		0	0	2	0	0
669	New Harmony Griffin Consolidated, White, Wabash	1939	8,900	35,906,000	3,763,000		0	0	863	34	4
670			z	z	z		0	0	2	0	0
671			z	z	z		0	0	12	0	0
672			z	z	z		0	0	1	0	0
673			z	z	z		0	0	22	0	0

⁴⁰ Abandoned 1941, revived 1942.

TABLE 1.—(Continued)

Line Number	Wells Producing ² Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ³		Secondary Recovery ⁴	Character of Oil ¹		Producing Formation						Deepest Zone Tested ⁵ to End of 1945	
	Flowing	Oil ¹		Initial	Avg./End 1945		Gravity A.P.I. at 60°F. ⁶	Sulphur, Per Cent	Name and Age ⁷	Character ⁸	Porosity, Per Cent ⁹	Depth to Top of Producing Zone, Ft. ¹⁰	Productive Thickness Avg. Ft., ¹¹ Net	Structure ¹²	Name	Depth of Hole, Ft.
		Artificial Lift	Gas													
611	0	1	0	x	x		x	x	Cypress; MisU ⁹	S	P	2,660	12	AL	MisL	3,091
612	0			x	x		x	x	Paint Creek; MisU	S	P	2,775	11	AL		
613	0	4	0	x	x	36.5	x	x	Bethel; MisU	S	P	2,825	15	AL		
614	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	2,940	18	AL		
615	0	1	0	x	x		x	x	Lower O'Hara; MisL	OL	P	3,015	5	AC		
616	0	2	0	x	x		x	x	McClosky; MisL	OL	P	3,075	16	AC		
617	0	4	0						"							
618	0	79	0													
619	0	4	0	x	x	37.0	x	x	Bridgeport; Pen	S	P	1,400	20	AL		
620	0	5	0	x	x		x	x	Degonia; MisU	S	P	1,905	12	AL		
621	0	30	0	x	x	33.8	0.28	x	Palestine; MisU	S	P	2,010	18	AL		
622	0	1	0	x	x			x	Waltersburg; MisU ⁷	S	P	2,210	19	AL		
623	0	22	0	x	x	38.0	x	x	Tar Springs; MisU	S	P	2,240	15	AL		
624	0	1	0	x	x	39.0	x	x	Cypress; MisU	S	P	2,565	8	AL		
625	0	9	0	x	x		x	x	Aux Vases; MisU	S	P	2,845	14	AL		
626	0			x	x		x	x	Rosiclare; MisU ⁹	SL	P	2,904	6	MC		
627	0	1	0	x	x		x	x	McClosky; MisL	OL	P	2,870	2	MC		
628	0	6	0						"							
629	0	1	0	x	x		x	x	McClosky; MisL	OL	P	3,038	3	MC		
630	0	5	0	x	x	38.0	0.16	x	McClosky; MisL	OL	P	3,340	12	AC		
631	0	105	0													
632	0	77	0	x	x	39.8	0.14	x	Aux Vases; MisU	S	P	3,220	16	A		
633	0			x	x		x	x	Lower O'Hara; MisL ⁹	OL	P	3,317	11	AC		
634	0	2	0	x	x		x	x	Rosiclare; MisL	SL	P	3,344	8	AC		
635	0	23	0	x	x	38.0	0.16	x	McClosky; MisL	OL	P	3,440	5	AC		
636	0	3	0						"							
637	0	2	0	x	x	36.6	0.28	x	Silurian; Sil	L	P	1,900	14	M		
638	0	323	x													
639	0	35	0	x	x	32.0	x	x	Bieh; Pen	S	P	1,470	25	AL		
640	0	3	0	x	x		x	x	Jordan; Pen	S	P	1,520	15	AL		
641	0	1	0	x	x		x	x	Palestine; MisU	S	P	1,540	10	AL		
642	0	6	0	x	x		x	x	Tar Springs; MisU	S	P	1,790	15	AL		
643	0			x	x		x	x	Jackson; MisU ⁹	S	P	2,020	25	AL		
644	0	200	x	x	x	38.4	x	x	Cypress; MisU	S	P	2,025	15	AL		
645	0	2	0	x	x		x	x	Bethel; MisU	S	P	2,110	15	AL		
646	0	3	0	x	x		x	x	Lower O'Hara; MisL	OL	P	2,320	5	AC		
647	0	3	0	x	x	36.6	0.36	x	Rosiclare; MisL	S	P	2,350	5	AC		
648	0	30	0	x	x	38.4	0.42	x	McClosky; MisL	OL	P	2,360	5	AC		
649	0	40	0						"							
650	0	2	0													
651	0	1	0	x	x		x	x	Waltersburg; MisU	S	P	1,878	11	ML		
652	0	1	0	x	x	30.0	0.25	x	Tar Springs; MisU	S	P	1,930	6	ML		
653	0	3	0													
654	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	3,100	19	ML		
655	0	2	0	x	x		x	x	McClosky; MisL	OL	P	3,236	4	MC		
656	0	7	0													
657	0	2	0	x	x	37.2	0.14	x	Aux Vases; MisU	S	P	3,070	15	AL		
658	0	2	0	x	x		x	x	Lower O'Hara; MisL	OL	P	3,120	8	AC		
659	0	2	0	x	x		x	x	Rosiclare; MisL	OL	P	3,155	10	AC		
660	0	1	0	x	x	31.7	x	x	McClosky; MisL	OL	P	3,165	10	AC		
661	0	1	0	x	x	33.2	0.16	x	Pottsville; Pen	S	P	600	5	A		
662	0	4	0													
663	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	2,680	10	AL		
664	0	1	0	x	x		x	x	Lower O'Hara; MisL ⁹	L	P	2,755	5	AC		
665	0	2	0	x	x		x	x	McClosky; MisL	L	P	2,800	6	AC		
666	0	1	0						"							
667	0	1	0	x	x		x	x	Rosiclare; MisL	S	P	2,790	10	MC		
668	0	1	0	x	x		x	x	Pennsylvanian; Pen	S	P	1,170	30	ML		
669	0	834	0													
670	0	2	0	x	x		x	x	Jamestown; Pen	S	P	717	13	AL		
671	0	12	0	x	x		x	x	Bieh; Pen	S	P	1,850	20	AL		
672	0	1	0	x	x		x	x	Clare; MisU	S	P	1,980	10	AL		
673	0	21	0	x	x	37.6	0.49	x	Waltersburg; MisU	S	P	2,155	20	AL		

TABLE 1.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells ^b		
			Area Proved, Acres ^c	Total Production, Bbl. ^e		Area Proved, Acres ^d	Millions Cu. Ft. ^e		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
674			x	x	x		0	0	37	2	0
675			x	x	x		0	0	125	1	0
676			x	x	x		0	0	12	0	0
677			x	x	x		0	0	134	0	2
678			x	x	x		0	0	204	22	0
679			x	x	x		0	0	0	0	0
680			x	x	x		0	0	2	0	0
681			x	x	x		0	0	110	4	2
682									202	5	0
683	New Harmony South, White...	1941	60	45,000	4,000		0	0	4	0	0
684			x	x	x		0	0	1	0	0
685			x	x	x		0	0	1	0	0
686			x	x	x		0	0	1	0	0
687			x	x	x		0	0	1	0	0
688	New Haven, White	1941	340	502,000	47,000		0	0	23	1	0
689			x	x	x		0	0	4	0	0
690			x	x	x		0	0	1	0	0
691			x	x	x		0	0	7	0	0
692			x	x	x		0	0	5	0	0
693			x	x	x		0	0	1	0	0
694									5	1	0
695	New Haven North, White	1944	20	11,000	8,000		0	0	2	0	0
696	New Haven West, Gallatin...	1944	160	205,000	150,000		0	0	15	7	1
697	Newton, Jasper	1944	20	1,000	1,000		0	0	1	0	0
698	Newton North, Jasper	1945	20	1,000	1,000		0	0	1	1	0
699	Noble, Richland, Clay	1937	5,600	19,774,000	2,699,000		x	x	311	42	7
700			x	x	x		x	x	47	2	1
701			x	x	x		0	0	1	1	0
702			x	x	x		0	0	0	0	0
703			x	x	x		x	x	262	38	6
704									1	1	0
705	Noble North, Richland	1938	1,850	3,508,000	324,000		x	x	98	2	0
706			x	x	x		x	x	91	0	0
707			x	x	x		x	x	7	2	0
708									0	0	0
709	Noble South, Richland	1937	130	551,000	28,000		0	0	11	0	0
710	Odin, Marion	1945	210	84,000	84,000		0	0	21	21	0
711	Olney, Richland	1937	830	1,594,000	95,000		0	0	50	0	2
712			x	x	x		0	0	1	0	0
713			x	x	x		0	0	49	0	2
714	Olney East, Richland	1944	420	350,000	342,000		0	0	21	20	0
715	Olney South, Richland	1938 ⁴¹	40	x	0		0	0	2	0	0
716	Omaha, Gallatin	1940	350	1,100,000	137,000		x	x	21	0	0
717			x	x	x		0	0	17	0	0
718			x	x	x		x	x	4	0	0
719	Parkersburg Consolidated, Richland, Edwards	1941	1,680	3,705,000	375,000		x	x	63	15	4
720			x	x	x		0	0	1	0	0
721			x	x	x		0	0	1	0	0
722			x	x	x		0	0	1	0	0
723			x	x	x		0	0			
724			x	x	x		0	0	59	14	4
725									1	1	0
726	Parkersburg North, Richland	1945	20	1,000	1,000		0	0	1	1	0
727	Parkersburg West, Richland, Edwards	1943	110	53,000	17,000		0	0	4	1	1
728			20	x	x		0	0	1	1	0
729			90	x	x		0	0	3	0	1
730	Passport, Clay	1945	80	42,000	42,000		0	0	4	4	0
731			x	x	x		0	0	1	1	0
732			x	x	x		0	0	2	2	0
733									1	1	0
734	Patoka, Marion	1937	970	5,077,000	1,309,000		0	0	158	9	0
735			x	x	x		0	0	153	9	0
736			x	x	x		0	0	4	0	0

⁴¹ Abandoned 1938.

TABLE 1.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ^b		Character of Oil ^c		Producing Formation						Deepest Zone Tested ^d to End of 1945			
	Oil ¹		Gas	Initial	Avg./End 1945	Secondary Recovery ^a		Gravity A.P.I. at 60°F. ^e	Sulphur, Per Cent	Name and Age ⁱ	Character ^k	Porosity, Per Cent ^j	Depth to Top of Producing Zone, Ft. ^m	Productive Thickness, Avg. Ft., ⁿ Net	Structure ^o	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift															
674	0	36	0	x	x		36.8	0.19	Tar Springs; MisU	S	P	2,215	20	AL			
675	0	125	0	x	x		39.0	x	Cypress; MisU	S	P	2,570	30	AL			
676	0	12	0	x	x		38.0	x	Paint Creek; MisU	S	P	2,660	20	AL			
677	0	128	0	x	x		36.0	0.24	Bethel; MisU	S	P	2,700	25	A			
678	0	201	0	x	x		36.4	0.19	Aux Vases; MisU	S	P	2,825	15	AC			
679	0	0	0	x	x		x	x	Lower O'Hara; MisL	OL	P	2,900	5	AC			
680	0	2	0	x	x		x	x	Rosiclare; MisL	SL	P	2,905	10	AC			
681	0	104	0	x	x		39.2	0.20	McClosky; MisL	OL	P	2,925	8	AC			
682	0	193	0														
683	0	1	0				x	x	Waltersburg; MisU	S	P	2,250	20	MF	MisL		3,207
684	0	1	0	x	x		x	x	Tar Springs; MisU	S	P	2,355	16	MF			
685	0	0	0	x	x		x	x	Bethel; MisU	S	P	2,820	15	MF			
686	0	0	0	x	x		38.0	x	McClosky; MisL	OL	P	3,010	8	MF	MisL		2,900
687	0	23	0														
688	0	5	0	x	x		36.4	0.27	Tar Springs; MisU	S	P	2,100	10	ALf			
689	0	1	0	x	x		38.0	x	Hardinsburg; MisU	S	P	2,250	10	ALf			
690	0	6	0	x	x		38.0	x	Cypress; MisU	S	P	2,435	12	ALf			
691	0	5	0	x	x		39.0	x	Aux Vases; MisU	S	P	2,715	17	ALf			
692	0	1	0	x	x		38.0	x	McClosky; MisL	OL	P	2,830	6	MC			
693	0	5	0														
694	0	2	0	x	x		x	x	Tar Springs; MisU	S	P	2,175	10	ML	MisL		2,986
695	0	14	0	x	x		x	x	Tar Springs; MisU	S	P	2,100	20	Af	MisL		2,950
696	0	1	0	x	x		x	x	McClosky; MisL	L	P	2,930	5	MC	MisL		3,022
697	0	1	0	x	x		x	x	McClosky; MisL	L	P	2,856	5	MC	MisL		2,863
698	0	260	x			W									MisL		3,200
699	0	40	x	x	x		38.0	0.27	Cypress; MisU	S	P	2,550	25	A			
700	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	2,920	15	ML			
701	0	1	0	x	x		x	x	Lower O'Hara; MisL	OL	P	2,957	2	AC			
702	0	213	x	x	x		39.0	0.17	McClosky; MisL	OL	P	2,960	6	AM			
703	0	5	0														
704	0	96	2														
705	0	90	1	x	x		x	x	Cypress; MisU	S	P	2,560	20	A	MisL		3,063
706	0	5	1	x	x		x	x	McClosky; MisL	L	P	2,940	7	AM			
707	0	1	0														
708	0	8	0	x	x		x	x	McClosky; MisL	S	P	3,045	5	AM	MisL		3,151
709	0	21	0	x	x		x	x	Cypress; MisU	L	P	1,750	13	Al	MisL		1,934
710	0	30	0												MisL		3,289
711	0	2	0	x	x		x	x	Lower O'Hara; MisL	OL	P	3,060	8	A			
712	0	28	0	x	x		37.2	0.19	McClosky; MisL	OL	P	3,050	10	A			
713	1	20	0	x	x		x	x	McClosky; MisL	OL	P	3,080	10	A	MisL		3,094
714	0	0	0	x	x		x	x	McClosky; MisL	OL	P	3,067	10	x	MisL		3,120
715	0	18	x			W									MisL		2,547
716	0	13	0	x	x		25.9	0.23	Palestine; MisU	S	P	1,690	20	D			
717	0	5	x	x	x		27.0	0.24	Tar Springs; MisU	S	P	1,880	15	D			
718	0	55	0														
719	0	1	0	x	x		x	x	Cypress; MisU	S	P	2,830	12	A	MisL		3,276
720	0	0	0	x	x		x	x	Bethel; MisU	S	P	2,930	10	A			
721	0	0	0	x	x		x	x	Lower O'Hara; MisL	OL	P	3,070	10	AC			
722	0	0	0	x	x		x	x	Rosiclare; MisL ⁹	SL	P	3,100	7	A			
723	0	47	0	x	x		38.0	0.31	McClosky; MisL	OL	P	3,135	9	A			
724	0	7	0														
725	0	1	0	x	x		x	x	McClosky; MisL	L	P	3,087	6	x	MisL		3,132
726	0	3	0												MisL		3,331
727	0	1	0	x	x		x	x	Lower O'Hara; MisL	L	P	3,220	4	AC			
728	0	2	0	x	x		x	x	McClosky; MisL	OL	P	3,250	5	AC			
729	0	4	0												MisL		3,140
730	0	1	0	x	x		x	x	Rosiclare; MisL	SL	P	3,000	2	A			
731	0	2	0	x	x		x	x	McClosky; MisL	L	P	3,005	8	A			
732	0	1	0			W											
733	0	105	0												Dcv		3,142
734	0	100	0	x	x		39.5	0.16	Bethel; MisU	S	P	1,410	25	D			
735	0	4	0	x	550		40.9	0.31	Rosiclare; MisL	S	P	1,560	15	D			

TABLE 1.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells ^c		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^d	Millions Cu. Ft. ^e		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
737	Patoka East, Marion.....	1941	z	z	12,000		0	0	1	0	0
738			500	2,460,000	286,000		0	0	59	0	0
739			z	z	z		0	0	54	0	0
740			z	z	z		0	0	5	0	0
741			z	z	z		0	0	8	0	0
742	Patton, Wabash..	1940	110	22,000	9,000		0	0	5	0	0
743			z	z	z		0	0	5	0	0
744			z	z	z		0	0	1	0	0
745			z	z	z		0	0			
746			z	z	z		0	0	1	0	0
747	Patton West, Wabash....	1943	500	190,000	93,000		0	0	33	5	0
748			z	z	z		0	0	2	0	0
749			z	z	z		0	0	18	5	0
750			z	z	z		0	0			
751			z	z	z		0	0	3	0	0
752			z	z	z		0	0			
753			z	z	z		0	0	1	0	0
754			z	z	z		0	0	5	0	0
755			z	z	z		0	0	4	0	0
756			Phillipstown Consolidated, White.....	1939	2,400		3,722,000	1,247,000		0	0
757	z	z			z	0	0	3		0	0
758	z	z			z	0	0	7		1	0
759	z	z			z	0	0	7		0	0
760	z	z			z	0	0	18		7	0
761	z	z			z	0	0	2		0	0
762	z	z			z	0	0	2		0	0
763	z	z			z	0	0	0		0	0
764	z	z			z	0	0	41		1	0
765	z	z			z	0	0	0		0	0
766	z	z			z	0	0	3		0	0
767	z	z			z	0	0	15		4	0
768	z	z			z	0	0	9		6	0
769	z	z			z	0	0				
770	z	z			z	0	0	3		0	0
771	z	z	z	0	0	20	5	1			
772	z	z	z	0	0	31	8	0			
773	Plainview, Macoupin	1942	10	800	0		0	0	1	0	0
774	Posey, Clinton.....	1941	20	5,000	500		0	0	2	0	0
775	Raymond, Montgomery..	1940	80	6,000	2,000		0	0	6	0	0
776	Rinard, Wayne.....	1937 ⁴²	20	15,000	0		0	0	2	0	0
777	Roaches, Jefferson....	1938	160	470,000	17,000		0	0	12	0	0
778			z	z	z		0	0	2	0	0
779			z	z	z		0	0	5	0	0
780			z	z	z		0	0	4	0	0
781			z	z	z		0	0	1	0	0
782	Roaches North, Jefferson...	1944	400	536,000	387,000		0	0	34	6	0
783			z	z	z		0	0	32	6	0
784			z	z	z		0	0	1	0	0
785			z	z	z		0	0	1	0	0
786	Roland, White, Gallatin...	1940	2,500	5,885,000	959,000		0	0	163	11	4
787			z	z	z		0	0	71	2	0
788			z	z	z		0	0	3	0	0
789			z	z	z		0	0	21	8	1
790			z	z	z		0	0			
791			z	z	z		0	0	16	0	2
792			z	z	z		0	0	16	1	0
793			z	z	z		0	0			
794			z	z	z		0	0	1	0	1
795			z	z	z		0	0	35	0	0
796	Ruark, Lawrence.....	1941	20	4,000	1,000		0	0	2	0	0
797	Rural Hill, Hamilton...	1941	3,100	8,652,000	690,000		0	0	203	3	5
798			z	z	z		0	0			
799			z	z	z		0	0			
800			z	z	z		0	0			

⁴² Abandoned 1941.

TABLE 1.—(Continued)

Line Number	Wells Producing ^a Dec. 1945		Reservoir Pressure, Lb. per Sq. In. ⁵		Secondary Recovery ^b	Character of Oil ^c		Producing Formation					Deepest Zone Tested ^d to End of 1945			
	Oil ¹		Gas	Initial		Avg./End 1945	Gravity, A.P.I. at 60°F. ⁸	Sulphur, Per Cent	Name and Age ^j	Character ^k	Porosity, Per Cent ^l	Depth to Top of Producing Zone, Ft. ^m	Productive Thickness, Avg. Ft., ⁿ Net	Structure ^o	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift														
737	0	1	0		1,200		40.0	0.28	Devonian; Dev	L	P	2,835	8	D	MisL	1,740
738	0	54	0													
739	0	47	0	x	x		36.1	0.23	Cypress; MisU	S	P	1,340	19	A		
740	0	7	0	x	x		36.1	0.23	Bethel; MisU	S	P	1,465	10	A	MisL	2,315
741	0	6	0													
742	0	4	0	x	x		x	x	Biehl; Pen	S	P	1,470	15	AL		
743	0	0	0	x	x		x	x	Tar Springs; MisU	S	P	1,685	6	AL	MisL	2,571
744	0						x	x	Rosiclar; MisL ⁹	SL	P	2,250	x	AL		
745	0	1	0	x	x		x	x	McClosky; MisL	OL	P	2,310	4	MC		
746	0	1	0												MisL	2,571
747	0	32	0													
748	0	2	0	x	x		x	x	Biehl; Pen	S	P	1,542	22	AL		
749	0	18	0	x	x		x	x	Cypress; MisU	S	P	2,029	12	AL	MisL	2,571
750	0			x	x		x	x	Bethel; MisU ⁹	S	P	2,139	20	AL		
751	0	3	0	x	x		x	x	Aux Vases; MisU	S	P	2,283	4	AL		
752	0			x	x		x	x	Lower O'Hara; MisL ⁹	OL	P	2,308	4	AC	MisL	2,571
753	0	1	0	x	x		x	x	Rosiclar; MisL	SL	P	2,318	4	AC		
754	0	4	0	x	x		x	x	McClosky; MisL	OL	P	2,346	6	AC		
755	0	4	0												Dev	5,350
756	0	147	0			G										
757	0	3	0	x	x		x	x	Pennsylvanian; Pen	S	P	795	10	MF		
758	0	7	0	x	x		x	x	Pennsylvanian; Pen	S	P	1,340	10	MF	Dev	5,350
759	0	7	0	x	x		36.2	0.22	Pennsylvanian; Pen	S	P	1,450	15	MF		
760	0	18	0	x	x		x	x	Degonia; MisU	S	P	1,975	10	MF		
761	0	3	0	x	x		36.0	x	Clore; MisU	S	P	2,010	10	MF	MisL	2,315
762	0	2	0	x	x		36.0	x	Palestine; MisU	S	P	2,050	10	MF		
763	0	3	0	x	x		x	x	Waltersburg; MisU	S	P	2,280	10	MF		
764	0	37	0	x	x		36.0	x	Tar Springs; MisU	S	P	2,295	15	AL	MisL	2,315
765	0	2	0	x	x		x	x	Cypress; MisU	S	P	2,720	12	AF		
766	0	7	0	x	x		x	x	Paint Creek; MisU	S	P	2,780	9	AF		
767	0	16	0	x	x		x	x	Bethel; MisU	S	P	2,810	12	AF	MisL	2,315
768	0	8	0	x	x		39.4	x	Aux Vases; MisU	S	P	2,880	15	AF		
769	0			x	x		x	x	Lower O'Hara; MisL ⁹	L	P	3,011	10	AC		
770	0	0	0	x	x		x	x	Rosiclar; MisL	SL	P	2,960	10	AC	MisL	2,315
771	0	18	0	x	x		38.2	0.21	McClosky; MisL	OL	P	3,000	6	AC		
772	0	16	0													
773	0	0	0	x	x		x	x	Pennsylvanian; Pen	S	P	400	20	x	Pen MisU	431
774	0	1	0	x	x		36.1	0.17	Cypress; MisU	S	P	1,100	5	M		
775	0	5	0	x	x		34.8	0.22	Pottsville; Pen	S	P	580	15	ML		
776	0	0	0	x	x		38.5	x	McClosky; MisL	OL	P	3,145	5	AC	MisL MisL Dev	3,154 3,840
777	0	8	0													
778	0	0	0	x	x		x	x	Lower O'Hara; MisL	L	P	2,170	5	AC		
779	0	3	0	x	x		37.0	0.22	Rosiclar; MisL	S	P	2,190	12	AC	MisL	2,283
780	0	2	0	x	x		x	x	McClosky; MisL	L	P	2,210	7	AC		
781	0	3	0													
782	0	34	0												MisL	2,283
783	0	32	0	x	x		x	x	Bethel; MisU	S	P	1,925	12	A		
784	0	2	0	x	x		x	x	Rosiclar; MisL	S	P	2,120	12	AC		
785	0	0	0												Dev	5,225
786	0	156	0													
787	0	65	0	x	x		x	x	Waltersburg; MisU	S	P	2,170	15	AL		
788	0	3	0	x	x		31.7	0.25	Tar Springs; MisU	S	P	2,240	12	AL	MisL	2,320
789	0	20	0	x	x		32.0	x	Cypress; MisU	S	P	2,560	15	AL		
790	0			x	x		x	x	Paint Creek; MisU ⁹	S	P	2,750	12	A		
791	0	13	0	x	x		39.0	x	Bethel; MisU	S	P	2,760	17	A	MisL	2,320
792	0	16	0	x	x		x	x	Aux Vases; MisU	S	P	2,880	18	AL		
793	0			x	x		x	x	Lower O'Hara; MisL ⁹	OL	P	2,950	8	AC		
794	0	0	0	x	x		x	x	McClosky; MisL	OL	P	2,970	5	AC	MisL	2,320
795	0	39	0													
796	0	2	0	x	x		32.0	x	Buchanan; Pen	S	P	1,510	14	ML		
797	0	191	0			G									MisL MisL	2,320 3,450
798	0			x	x		x	x	Cypress; MisU ⁹	S	P	2,705	22	A		
799	0			x	x		x	x	Paint Creek; MisU ⁹	S	P	3,040	20	A		
800	0			x	x		x	x	Bethel; MisU ⁹	S	P	3,050	20	A		

TABLE 1.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells/		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^d	Millions Cu. Ft. ^e		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
801			x	x	x		0	0	97	1	2
802			x	x	x		0	0	21	0	0
803			x	x	x		0	0	2	0	0
804			x	x	x		0	0	21	2	3
805									62	0	0
806	Rural Hill West, <i>Hamilton</i>	1945	10	1,000	1,000		0	0	1	1	0
807	Russellville, gas, <i>Lawrence</i>	1937		0	0	1,800	6,556	430	60	0	0
808						x	x	x	18	0	0
809						x	x	x	42	0	0
810	St. Francisville East, <i>Lawrence</i>	1941	120	125,000	20,000		0	0	10	1	0
811	St. Jacob, <i>Madison</i>	1942	1,120	1,554,000	355,000		0	0	53	5	0
812	St. James, <i>Fayette</i>	1938	2,000	8,495,000	791,000		0	0	187	0	0
813	St. Paul, <i>Fayette</i>	1941	170	290,000	50,000		0	0	13	0	0
814	Ste. Marie, <i>Jasper</i>	1941	620	511,000	33,000		0	0	20	0	0
815	Sailor Springs Consolidated, <i>Clay</i>	1941	1,820	2,162,000	515,000		0	0	114	5	2
816			x	x	x		0	0	37	2	1
817			x	x	x		0	0			
818			x	x	x		0	0	67	3	1
819			x	x	x		0	0	6	0	0
820									4	0	0
821	Sailor Springs East, <i>Clay</i>	1944	100	27,000	18,000		0	0	9	0	2
822	Salem, <i>Marion</i>	1938	9,600	192,150,000	6,711,000		0	0	2,454	0	59
823			x	x	x		0	0	485	0	12
824			x	x	x		0	0	152	0	0
825			x	x	x		0	0	9	0	0
826			x	x	x		0	0	551	0	38
827			x	x	x		0	0	8	0	0
828			6,200	34,382,000	570,000		0	0	541	0	5
829			x	2,675,000	251,000		0	0	2	0	0
830									706	0	4
831	Samsville, <i>Edwards</i>	1942 ⁴³	20	700	0		0	0	1	0	0
832	Samsville North, <i>Edwards</i>	1945	20	3,000	3,000		0	0	2	2	0
833	Santa Fe, <i>Clinton</i>	1944	10	1,000	1,000		0	0	1	0	0
834	Schnell, <i>Richland</i>	1938	80	201,000	7,000		0	0	4	0	0
835	Seminary, <i>Richland</i>	1945	40	30,000	30,000		0	0	2	2	0
836	Sesser, <i>Franklin</i>	1942	60	64,000	18,000		0	0	5	0	0
837			x	x	x		0	0	4	0	0
838			x	x	x		0	0			
839			x	x	x		0	0			
840									1	0	0
841	Shattuc, <i>Clinton</i>	1945	20	2,000	2,000		0	0	2	2	0
842	Shawneetown, <i>Gallatin</i>	1945	10	200	200		0	0	1	1	0
843	Sims, <i>Wayne</i>	1941	2,030	3,432,000	329,000		0	0	62	1	0
844			x	x	x		0	0	12	1	0
845			x	x	x		0	0			
846			x	x	x		0	0			
847			x	x	x		0	0	32	0	0
848									18	0	0
849	Sorento, <i>Bond</i>	1938 ⁴⁴	30	4,000	0		0	0	3	0	0
850	Springerton, <i>Hamilton</i>	1945	30	17,000	17,000		0	0	3	3	0
851	Stanford, <i>Clay</i>	1945	180	105,000	105,000		0	0	9	9	0
852			x	x	x		0	0	6	6	0
853			x	x	x		0	0	2	2	0
854									1	1	0
855	Stewardson, <i>Shelby</i>	1939	70	61,000	11,000		0	0	5	0	0
856	Stokes, <i>White</i>	1939	960	1,890,000	295,000		0	0	53	0	0
857			x	x	x		0	0	2	0	0
858			x	x	x		0	0	2	0	0
859			x	x	x		0	0	9	0	0
860			x	x	x		0	0	11	0	0
861			x	x	x		0	0	5	0	0
862			x	x	x		0	0	3	0	0

⁴³ Abandoned 1942.⁴⁴ Abandoned 1944.

TABLE 1.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ^b		Secondary Recovery ^a	Character of Oil ⁱ		Producing Formation							Deepest Zone Tested ^a to End of 1945	
	Oil ⁱ			Initial	Avg./End 1945		Gravity A.P.I. at 60°F. ^g	Sulphur, Per Cent	Name and Age ^j	Character ^k	Porosity, Per Cent ^l	Depth to Top of Producing Zone, Ft. ^m	Productive Thickness, Avg. Ft., ⁿ Net	Structure ^o	Name	Depth of Hole, Ft.	
	Flowing	Artificial Lift	Gas														
801	0	89	0	x	x	G	38.0	0.15	Aux Vases; MisU	S	P	3,130	25	A	MisL Dev	3,483 3,133	
802	0	15	0	x	x		38.6	0.19	Lower O'Hara; MisL	L	P	3,175	15	AC			
803	0	2	0	x	x		38.6	0.19	Rosiclare; MisL	SL	P	3,200	5	AC			
804	0	18	0	x	x		38.6	0.19	McClosky; MisL	L	P	3,230	10	AC			
805	0	67	0	x	x		x	x	Aux Vases; MisU	S	P	3,222	16	x			
806	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	3,222	16	x			
807	0	0.25	0	x	x		x	x	Bridgeport; Pen	S	P	760	15	A			
808	0	0	x	x	x		x	x	Buchanan; Pen	S	P	1,100	12	A			
809	0	0	x	x	x		39.8	0.21	Bethel; MisU	S	P	1,760	22	A			
810	0	9	0	x	x		40.0	0.23	"Trenton"; Ord	L	P	2,260	17	A			
811	0	45	0	x	x	G	34.4	0.31	Cypress; MisU	S	P	1,580	16	A	MisL Ord Dev	1,960 2,549 3,375	
812	0	178	0	x	x		34.0	0.23	Bethel; MisU	S	P	1,885	6	A			
813	0	12	0	x	x		40.2	0.14	McClosky; MisL	L	P	2,830	8	A			
814	0	17	0	x	x		39.5	0.17	Tar Springs; MisU	S	P	2,340	15	A			
815	0	104	0	x	x		38.5	0.28	Glen Dean; MisU ⁹	L	P	2,390	8	A			
816	0	30	0	x	x		38.5	0.28	Cypress; MisU ¹²	S	P	2,590	14	A			
817	0	66	0	775	x		36.4	x	McClosky; MisL	OL	P	3,000	5	A			
818	0	4	0	x	x		36.4	x	McClosky; MisL	OL	P	3,000	5	A			
819	0	4	0	x	x		29.0	x	Cypress; MisU	S	P	2,690	8	D			
820	0	7	0	x	x		G	38.5	0.20	Bethel; MisU	S	P	1,780	40			A
821	0	7	0	x	x	38.6		0.21	Aux Vases; MisU	S	P	1,825	40	A			
822	3	2,150	0	x	x	39.0		x	Rosiclare; MisL	S	P	1,950	5	AL			
823	0	350	0	x	x	39.0		x	McClosky; MisL	OL	P	1,990	17	A			
824	0	92	0	x	x	39.0		x	Salem; MisL	L	P	2,160	17	A			
825	0	7	0	x	x	42.1		0.28	Devonian; Dev	L	Cav	3,430	45	A			
826	0	297	0	x	x	42.0		x	"Trenton"; Ord	L	Cav	4,500	50	A			
827	0	8	0	x	x	x		x	Waltersburg; MisU	S	P	2,430	4	x			
828	0	8	0	x	x	x		x	Bethel; MisU	S	P	2,880	6	A			
829	3	57	0	x	x	x		x	Cypress; MisU	S	P	950	19	x			
830	0	935	0	x	x	G	37.0	0.19	McClosky; MisL	OL	P	3,000	6	AC	MisL MisL Dev	3,150 3,333 4,688	
831	0	4	0	x	x		x	x	McClosky; MisL	L	P	3,200	3	x			
832	0	5	0	x	x		39.2	0.17	Aux Vases; MisU	S	P	2,700	7	x			
833	0	4	0	x	x		x	x	Rosiclare; MisL ⁹	S	P	2,836	16	x			
834	0	0	0	x	x		x	x	McClosky; MisL ⁹	L	P	2,856	7	x			
835	0	2	0	x	x		x	x	McClosky; MisL	L	P	2,856	7	x			
836	0	5	0	x	x		x	x	Cypress; MisU	S	P	1,280	7	AL			
837	0	4	0	x	x		x	x	Aux Vases; MisU	S	P	2,650	14	MF			
838	0	1	0	x	x		40.4	0.20	Aux Vases; MisU	S	P	3,013	15	AL			
839	0	0	0	x	x		x	x	Lower O'Hara; MisL ⁹	L	P	3,120	7	AC			
840	0	1	0	x	x	G	x	x	Rosiclare; MisL ⁹	OL	P	3,140	7	AC	MisL MisL MisL	1,750 2,837 3,487	
841	0	2	0	x	x		39.1	x	McClosky; MisL	OL	P	3,150	8	AC			
842	0	1	0	x	x		x	x	McClosky; MisL	OL	P	3,150	8	AC			
843	0	60	0	x	x		35.4	x	Devonian; Dev	L	P	1,830	5	A			
844	0	9	0	x	x		37.0	x	Aux Vases; MisU	S	P	3,285	12	A			
845	0	0	0	x	x		x	x	Aux Vases; MisU	S	P	3,285	12	A			
846	0	29	0	x	x		x	x	Rosiclare; MisL	OL	P	3,039	7	MC			
847	0	0	0	x	x		x	x	McClosky; MisL	L	P	3,065	8	MC			
848	0	22	0	x	x		37.8	0.18	Aux Vases; MisU	S	P	1,940	8	A			
849	0	0	0	x	x		x	x	Aux Vases; MisU	S	P	1,940	8	A			
850	0	3	0	x	x	G	x	x	Tar Springs; MisU	S	P	2,295	16	MF	Dev MisL	1,900 3,150	
851	0	9	0	x	x		x	x	Cypress; MisU	S	P	2,660	12	MF			
852	0	6	0	x	x		x	x	Paint Creek; MisU	S	P	2,800	22	AF			
853	0	2	0	x	x		x	x	Bethel; MisU	S	P	2,813	8	AF			
854	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	2,890	15	AF			
855	0	5	0	x	x		x	x	Aux Vases; MisU	S	P	2,890	15	AF			
856	0	45	0	x	x		x	x	Lower O'Hara; MisL	OL	P	3,035	5	AC			
857	0	1	0	x	x		x	x	Lower O'Hara; MisL	OL	P	3,035	5	AC			
858	0	1	0	x	x		x	x	Lower O'Hara; MisL	OL	P	3,035	5	AC			
859	0	17	0	x	x		x	x	Lower O'Hara; MisL	OL	P	3,035	5	AC			
860	0	1	0	x	x	x	x	Lower O'Hara; MisL	OL	P	3,035	5	AC				
861	0	4	0	x	x	x	x	Lower O'Hara; MisL	OL	P	3,035	5	AC				
862	0	1	0	x	x	x	x	Lower O'Hara; MisL	OL	P	3,035	5	AC				

TABLE 1.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells ^c		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^d	Millions Cu. Ft. ^e		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
863			x	x	x		0	0	14	0	0
864									7	0	0
865	Storms, White	1939	1,720	4,761,000	284,000		x	x	158	1	1
866			x	x	x		x	x	156	1	0
867			x	x	x		0	0	0	0	0
868			x	x	x		0	0	1	0	0
869			x	x	x		0	0	1	0	1
870	Stringtown, Richland	1941	180	206,000	22,000		0	0	7	0	0
871	Sumner, Lawrence	1944	20	5,000	3,000		0	0	1	0	0
872	Sumpter, White	1945	10	1,000	1,000		0	0	1	1	0
873	Tamaroa, Perry	1942	50	8,000	2,000		0	0	3	0	0
874	Thackarey, Hamilton	1944	480	543,000	537,000		0	0	39	36	0
875	Thompsonville, Franklin	1940	220	280,000	22,000		0	0	19	0	3
876	Thompsonville North, Franklin	1944	40	56,000	56,000		0	0	4	3	0
877	Toliver, Clay	1942 ⁴⁵	40	6,000	0		0	0	1	0	0
878	Toliver East, Clay	1943	60	117,000	48,000		0	0	3	0	0
879	Tonti, Marion	1939	480	7,355,000	479,000		0	0	59	0	1
880			x	x	x		0	0	5	0	0
881			x	x	x		0	0	15	0	0
882			x	x	x		0	0	31	0	1
883			x	1,550,000	50,000		0	0	6	0	0
884									2	0	0
885	Trumbell, White	1944	50	53,000	53,000		0	0	5	4	0
886	Valier, Franklin	1942	20	2,000	300		0	0	1	0	0
887	Waggoner, Montgomery	1940	40	7,000	1,000		0	0	4	0	0
888	Walpole, Hamilton	1941	1,240	3,101,000	572,000		0	0	69	4	0
889			x	x	x		0	0	2	0	0
890			x	x	x		0	0	67	4	0
891	Waltonville, Jefferson	1943	60	36,000	21,000		0	0	4	0	0
892	West End, Hamilton, Saline	1944	40	96,000	87,000		0	0	4	3	0
893	West Frankfort, Franklin	1941	150	492,000	89,000		0	0	15	0	0
894			x	x	x		0	0	14	0	0
895			x	x	x		0	0	1	0	0
896	West Frankfort South, Franklin	1943	100	266,000	110,000		0	0	8	0	0
897			x	x	x		0	0	5	0	0
898			x	x	x		0	0	3	0	0
899	Whittington, Franklin	1939	100	57,000	12,000		0	0	3	0	1
900			x	x	x		0	0	1	0	1
901			x	x	x		0	0			
902			x	x	x		0	0	1	0	0
903									1	0	0
904	Whittington West, Franklin	1943	60	12,000	7,000		0	0	3	0	0
905			x	x	x		0	0	2	0	0
906			x	x	x		0	0	1	0	0
907	Willow Hill, Jasper	1944	140	161,000	159,000		0	0	7	6	0
908	Willow Hill North, Jasper	1945	40	1,000	1,000		0	0	2	2	0
909	Woburn, Bond	1940	210	485,000	37,000		0	0	28	0	1
910	Woodlawn, Jefferson	1940	1,480	8,863,000	967,000		0	0	153	0	4
911			x	x	x		0	0	2	0	0
912			x	x	x		0	0	151	0	4
913			x	x	x		0	0	0	0	0
914			x	x	x		0	0	0	0	0
915									0	0	0
916	Xenia, Clay	1941	20	17,000	2,000		0	0	1	0	0
917	Total for fields after Jan. 1, 1937 ⁴⁶		187,750	713,246,000	70,839,000	1,880	6,587.5	461.5	15,274	1,069	224
918	Total for Illinois ⁴⁶		293,445	1,178,978,000	75,210,000	11,885	9,029.2	477.1	36,148	1,094	634

⁴⁵ Abandoned 1944.⁴⁶ Total from U. S. Bureau of Mines monthly report.

TABLE 1.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ^b		Character of Oil ^c		Producing Formation						Deepest Zone Tested ^d to End of 1945		
	Oil ^e															
	Flowing	Artificial Lift	Gas	Initial	Avg./End 1945	Secondary Recovery ^a	Gravity A.P.I. at 60°F. ^f	Sulphur, Per Cent	Name and Age ^g	Character ^h	Porosity, Per Cent ⁱ	Depth to Top of Producing Zone, Ft. ^m	Productive Thickness, Avg. Ft., ⁿ Net	Structure ^o	Name	Depth of Hole, Ft.
863	0	10	0	x	x		35.8	0.26	McClosky; MisL	OL	P	3,070	10	AC		
864	0	10	0													
865	0	142	x													
866	0	141	x	x	x		28.0	0.28	Waltersburg; MisU	S	P	2,230	40	AL	MisL	3,173
867	0	0	x	x	x		x	x	Tar Springs; MisU	S	P	2,303	x	AL		
868	0	0	x	x	x		x	x	Cypress; MisU	S	P	2,635	10	AL		
869	0	0	x	x	x		x	x	Bethel; MisU	OL	P	2,805	14	ML		
870	0	7	x	x	x		39.8	0.24	McClosky; MisL	OL	P	3,040	x	AC	MisL	3,080
871	0	1	x	x	x		x	x	McClosky; MisL	S	P	2,261	4	MC	MisU	2,365
872	0	1	x	x	x		x	x	Tar Springs; MisU	S	P	2,567	15	x	MisU	2,303
873	0	2	x	x	x		x	x	Cypress; MisU	S	P	1,125	10	AL	MisL	1,630
874	0	39	x	x	x		x	x	Aux Vases; MisU	S	P	3,330	15	AL	MisL	3,600
875	0	2	x	x	x		37.8	0.16	McClosky; MisL	S	P	3,120	12	A	MisL	3,455
876	0	4	x	x	x		x	x	Aux Vases; MisU	S	P	3,122	26	AL	MisL	3,356
877	0	0	x	x	x		37.1	x	McClosky; MisL	OL	P	2,790	10	MC	MisL	2,890
878	0	3	x	x	x		x	x	McClosky; MisL	OL	P	2,840	8	MC	MisL	2,946
879	0	57	0												Dev	3,742
880	0	5	x	x	x		39.0	x	Bethel; MisU	S	P	1,930	20	D		
881	0	12	x	x	x		39.0	x	Aux Vases; MisU	S	P	2,005	30	D		
882	0	32	0	x	x		39.4	0.21	McClosky; MisL	OL	P	2,130	15	D		
883	0	6	x	x	x		41.0	x	Devonian; Dev	L	Cav	3,500	7	D		
884	0	2	0													
885	0	5	x	x	x		x	x	Cypress; MisU	S	P	2,830	8	A	MisL	3,355
886	0	1	x	x	x		x	x	McClosky; MisL	S	P	2,715	8	ML	MisL	2,725
887	0	1	x	x	x		28.0	0.21	Pottsville; Pen	L	P	610	10	x	Dev	1,893
888	0	68	0												MisL	3,331
889	0	2	x	x	x		36.1	x	Tar Springs; MisU	S	P	2,465	15	AL		
890	0	66	0	x	x		38.4	0.13	Aux Vases; MisU	S	P	3,070	20	A		
891	0	3	x	x	x		37.8	0.14	Bethel; MisU	S	P	2,465	12	A	MisL	2,769
892	0	4	x	x	x		x	x	Aux Vases; MisU	S	P	3,130	14	ML	MisL	3,419
893	0	15	0												MisL	2,995
894	0	14	x	x	x		34.8	0.13	Tar Springs; MisU	S	P	2,050	15	A		
895	0	1	x	x	x		x	x	Aux Vases; MisU	S	P	2,700	15	AL		
896	0	8	0												MisL	3,156
897	0	5	x	x	x		x	x	Tar Springs; MisU	S	P	2,035	15	A		
898	0	3	x	x	x		37.2	0.23	Lower O'Hara; MisL	L	P	2,765	8	AC		
899	0	2	0												MisL	3,130
900	0	1	x	x	x		x	x	Cypress; MisU	S	P	2,540	10	A		
901	0	0	x	x	x		x	x	McClosky; MisL ⁹	L	P	2,870	5	AC		
902	0	0	x	x	x		x	x	St. Louis; MisL	L	P	3,060	7	AC		
903	0	1	0													
904	0	3	0													
905	0	2	x	x	x		x	x	Aux Vases; MisU	S	P	2,680	20	AL	MisL	2,942
906	0	1	x	x	x		x	x	Lower O'Hara; MisL	L	P	2,752	20	AC		
907	0	7	0	x	x		x	x	McClosky; MisL	L	P	2,665	5	MC	MisL	2,742
908	0	2	x	x	x		x	x	McClosky; MisL	L	P	2,599	5	MC	MisL	2,702
909	0	27	0	x	x		36.4	0.20	Bethel; MisU	S	P	1,010	11	A	Dev	2,476
910	0	137	0												Dev	3,746
911	0	1	x	x	x		x	x	Cypress; MisU	S	P	1,800	10	AL		
912	0	115	0	x	x		37.8	0.16	Bethel; MisU	S	P	1,960	25	A		
913	0	8	0	x	x		x	x	Aux Vases; MisU	S	P	1,976	10	A		
914	0	1	x	x	x		x	x	Devonian; Dev	L	Cav	3,663	1	A		
915	0	12	0													
916	0	1	0	x	x		35.2	0.19	Aux Vases; MisU	S	P	2,785	12	A	Dev	4,970
917	133	13,299	27													
918	133	24,956	36													

TABLE 2.—Important Wells Drilled in Illinois in 1945

Pool	County	Company and Farm	Location	Total Depth, Ft.	Producing Formation	Depth to Top, Ft.	Initial Production, Bbl. ^a	Date of Completion of Discovery Well	Number of Wells Producing in Field Dec. 27, 1945
A. DISCOVERY WELLS OF NEW FIELDS									
1 Aden South.	Hamilton	Rudy, Marlow 1	29-3S-7E	3,430	McClosky	3,384	25 + 9	7-24-45	1
2 Bartleso West	Clinton	McCloskey	18-1N-3W	976	Cypress	933	6 + 2	10-30-45	1
3 Brownsville.	White	H. H. Wier, J. Meyers 1	31-5S-9E	3,186	Rosiclare; McClosky	3,118; 3,139	187	3-13-45	32
4 Gallagher.	Richland	Beltr, J. C. Howard, A. 1	13-2N-9E	3,243	McClosky	3,167	96 + 81	10-16-45	2
5 Goldengate North	Wayne	Beltr, J. C. Howard, T. A. Leach 1	9-2S-9E	3,407	Lower O'Hara, Rosiclare	3,303; 3,329	122	11-6-45	3
6 Huey.	Clinton	Goldsmith and Scherman, Jentzen 1	32-2N-2W	1,266	Bethel	1,250	26 + 2	8-14-45	1
7 Hunt City	Jasper	W. W. Shaffer, M. Stifel 1	2-7N-10E	2,715	Rosiclare	2,542	25 + 10	9-25-45	2
8 Ingraham West	Clay	Kingwood, Fulk 1	13-5N-7E	2,577	Cypress	2,532	52 + 67	8-21-45	0
9 Iola West.	Wayne	Tess, Weyette Jones 1	18-5N-5E	2,505	McClosky	2,494	12 + 8	1-16-45	0
10 Keenville.	Wayne	Gulf, M. Anderson 1	26-1S-5E	3,158	Aux Vases	2,998	11 + 240	2-5-45	1
11 Maple Grove South	Edwards	Astra and Hayes, C. Greathouse 1	23-1N-10E	3,320	Lower O'Hara	3,244	80	3-20-45	1
12 Markham City West	Jefferson	Gulf, F. W. Purcell 1	4-3S-4E	3,165	Aux Vases	2,913	27 + 120	11-13-45	1
13 Maunie West	White	B. M. Hoath, North Storms 1	2-6S-10E	3,149	McClosky	3,083	38 + 4	7-17-45	1
14 Newton North.	Jasper	Shulman Bros., Ben Buntun 1	31-7N-10E	2,863	McClosky	2,856	37 + 30	11-27-45	1
15 Odin.	Marion	Buell and Deran, M. J. Young 1	12-2N-1E	1,760	Cypress	1,750	125	5-29-45	21
16 Parkersburg North	Richland	Central Pipe Line, Lee Bunn 1	28-3N-14W	3,132	McClosky	3,078	48 + 30	10-30-45	1
17 Passport.	Clay	Magnolia, F. Stanley 1	12-4N-8E	3,005	Rosiclare	3,003	326	3-13-45	4
18 Rural Hill West	Hamilton	Tide Water, W. B. Johnson 1	33-6S-5E	3,483	Aux Vases	3,229	33 + 30	6-19-45	1
19 Sansville North	Edwards	Central Pipe Line, Chas. Obold 1	30-1N-14W	2,890	Bethel	2,882	91 + 25	10-2-45	2
20 Senmar.	Richland	J. W. Carter, D. C. Borah 1	20-2N-10E	3,202	McClosky	3,199	224	6-25-45	2
21 Shattuc.	Clinton	Murphy and Conrey, L. Noller 1	28-2N-1W	1,286	Cypress	1,279	25	6-12-45	2
22 Shawtson	Gallatin	Ferrall, C. I. Oldham 1	24-9S-9E	2,837	Aux Vases	2,648	19 + 6	9-11-45	1
23 Springfield.	Hamilton	Carter Oil, Prov. Mut. Ins. 1-A	14-4S-7E	3,327	Aux Vases	3,293	137	9-4-45	3
24 Standard.	White	Pure and Lynn, J. Gongs 1	24-3N-7E	3,036	McClosky	3,028	888	10-2-45	9
25 Sunier.	Clay	Lario, E. Organ 1	35-4S-9E	3,379	Tar Springs	2,569	33 + 38	11-13-45	1
26 Willow Hill North	Jasper	Robinson and Puckett, Roberts 1	26-7N-10E	2,660	McClosky	2,599	180	5-15-45	2
B. DISCOVERY WELLS OF EXTENSIONS TO POOLS									
1 Albion Consolidated.	Edwards	Noah, Kershaw 1	14-3S-10E	2,002	Bethel	1,991	165 + 30	8-7-45	1
2 Albion East.	Edwards	Morton and Keith, Garner 1	28-2S-14W	3,065	McClosky	3,057	250	2-13-45	1
3 Bennington	Edwards	Hassie Hunt, E. Weber 1	8-1N-10E	3,310	McClosky	3,269	220 + 83	3-13-45	1
4 Bible Grove	Effingham	Ashland, Weibking 1	29-6N-7E	2,890	McClosky	2,856	480	5-8-45	1
5 Bible Grove	Effingham	Ashland, Woody Hays 1	31-6N-7E	2,962	McClosky	2,844	201	11-6-45	1
6 Bible Grove	Effingham	Waggoner, Richards 1	29-6N-7E	2,798	Rosiclare	2,792	15	7-3-45	1
7 Boos North	Jasper	Pure, Berghower Consol. 1	4-6N-10E	2,810	McClosky	2,770	231	10-16-45	1
8 Brownsville	White	Lynn, Sillman 1	36-5S-8E	3,262	Hardsburg	2,632	131 + 36	9-4-45	1
9 Brownsville	White	Pure, M. E. Brown 1-A	1-6S-8E	2,680	Hardsburg	2,644	225	9-11-45	1
10 Clair	Wayne	Pure, C. A. Billington 2	23-1N-7E	3,188	McClosky	3,152	42 + 53	10-23-45	1
11 Clay City Consol	Clay	Pure, Broyles Consol. B-1	14-2N-7E	3,077	Aux Vases	2,952	12	10-9-45	1
12 Clay City Consol	Wayne	Olson, O'Roush 1	15-1N-7E	3,138	McClosky	3,128	90 + 18	12-27-45	1

TABLE 2.—(Continued)

Pool	County	Company and Farm	Location	Total Depth, Ft.	Producing Formation	Depth to Top, Ft.	Initial Production, Bbl. ^a	Date of Completion or Discovery Well	Number of Wells Producing in Field Dec. 27, 1945
16 Keensburg East	Wabash	Myers and Miller, Laura Beall A-2	11-2S-13W	2,776	Lower O'Hara	2,716	250	5-29-45	
17 Kenner	Clay	Lynn, Allen 2	25-3N-5E	2,207	Tin Springs	2,201	41 + 70	4-24-45	
18 Kenner	Clay	Lynn, A. Craft 1	36-3N-5E	2,070	McClosky	2,067	7 + 100	4-24-45	
19 Mt. Carmel	Wabash	Skiles, Chapman 1	18-1S-12W	2,077	Jackson	2,057	175	6-9-45	
20 Noble	Richland	Pure, Grubb A-3	36-3N-8E	3,107	Aux Vases	2,923	17	4-3-45	
21 Parkersburg Consol	Richland	Bridge, Hill 1	20-2N-14W	3,117	Residual	2,923	200 + 500 ^b	7-24-45	
22 Parkersburg West	Richland	Wicker, Bradley 1	25-2N-10E	3,305	Lower O'Hara	2,291	8 + 5	2-13-45	
23 Phillipsstown, Consol	White	Johnson, S. Fieber 1	25-4S-10E	3,025	Lower O'Hara	3,011	25 + 10	10-30-45	
24 Stanford	Clay	Pure and Lynn, E. F. Thompson A-1	24-3N-7E	3,085	Residual	3,039	245 ^b	10-30-45	
25 Woodlawn	Jefferson	Magnolia, Eubank-Winsburg Unit 1	1-3S-1E	1,988	Aux Vases	1,976	305 + 5	1-23-45	
26 Woodlawn	Jefferson	Texas, E. Eubanks Comm. 1	35-2S-1E	3,746	Devonian	3,660	65	5-15-45	
D. SELECTED LIST OF DRY TESTS									
1 Huey	Clark	Loyd, Bays 1	21-11N-12W	2,432	Devonian	2,376		4-24-45	
2	Clinton	Moehach, Janzen 1	23-2N-2W	2,720	Devonian	2,685		10-2-45	
3	Clinton	Big Ober, Giescke 1	1-2N-3W	2,942	Plattin	2,866		8-7-45	
4	Hancock	Heavener, Broadhead 1	1-2N-4W	5,060	St. Petr	941		6-26-45	
5 Collinsville	Madison	Benols, Kellert 1	8-3S-8W	5,136	St. Petr	2,177		1-9-45	
6	Madison	Elson, Albrecht 1	20-2N-5W	2,719	Trenton	2,518		10-9-45	
7	Tazewell	Graham, Mathis 2	24-35N-3W	2,233	Shakopee	2,210		11-30-45	
8	Union	Miner, Potvinick 1	26-18S-3W	2,827	?	?		12-18-45	
9 Cordes	Washington	Shell, Sharkowski 13-D	22-3S-3W	2,887	Devonian	2,735		12-18-45	
10	Washington	Inland Oil, Liebenfels 1	22-1S-3W	2,808	Devonian	2,734		9-4-45	

^a Oil and Water.^b Producing from two or more pays.

production, the same percentage of successful wildcats as in 1944.

TABLE 3.—*Completions and Production in Illinois since January 1, 1936*

Period of Time	Number of Completions ^a	Number of Producing Wells	Production, Thousands of Barrels		
			New Fields ^b	Old Fields ^{b,c}	Total ^d
1936.....	93	52			4,445
1937.....	449	292	2,884	4,542	7,426
1938.....	2,541	2,010	19,771	4,304	24,075
1939.....	3,675	2,970	90,908	4,904	94,912
1940.....	3,829	3,080	142,969	4,678	147,647
1941.....	3,838	2,925	128,993	5,145	134,138
1942.....	2,016	1,179	101,837	4,753	106,590
1943.....	1,792	1,087 ^e	77,581	4,675	82,256
1944.....	1,991	1,229 ^f	72,946	4,467	77,413
1945: Jan.	155	94	6,004	365	6,369
Feb.	106	74	5,544	331	5,875
March...	87	47	6,028	361	6,389
April....	116	71	5,793	358	6,151
May....	131	84	6,051	405	6,456
June....	144	90	5,839	383	6,222
July....	108	108	6,013	390	6,403
Aug....	164	106	6,053	399	6,452
Sept....	207	131	5,389	358	5,747
Oct....	130	83	6,040	360	6,400
Nov....	166	106	5,926	353	6,279
Dec....	159	106	6,129	308	6,437
Total...	1,763	1,994 ^g	70,839	4,371	75,210

^a Includes only oil or gas producers and dry holes.

^b Production figures based on information furnished by oil companies and pipe-line companies.

^c Includes Devonian production at Sandoval and Bartleso.

^d From the U. S. Bureau of Mines.

^e Includes 22 wells formerly dry holes.

^f Includes 12 wells formerly dry holes.

^g Includes 15 wells formerly dry holes.

Of the 460 wildcat wells, 228 were drilled less than 2 miles from production; of these 47 (or 21 per cent) were successful. Of the 232 wildcat wells drilled more than 2 miles from production in 1945, 26 (or 11 per cent) were successful. Corresponding figures for 1944 were 261 wildcat wells drilled more than 2 miles from production with 28 (or 11 per cent) successful.

In existing pools, 36 wells were drilled to test deeper pays. Of this number, six (or nearly 17 per cent) opened up new pays.

No pre-Mississippian pool was discovered in Illinois in 1945. Devonian production was discovered in the Woodlawn pool, Jefferson County, which had previously produced only from the Mississippian. Dry Devonian tests were drilled in two Mississippian pools: Huey in Clinton County and Cordes in Washington County. A St. Peter test was drilled in an abandoned Devonian pool, Collinsville in Madison County.

A selected list of dry wildcat wells for 1945, which includes several Devonian and Trenton tests, is given in Table 2D.

The total footage of wildcat wells drilled in 1945 was 1,194,829 ft., of which 204,700 ft., or 17 per cent, was drilled in successful wells.

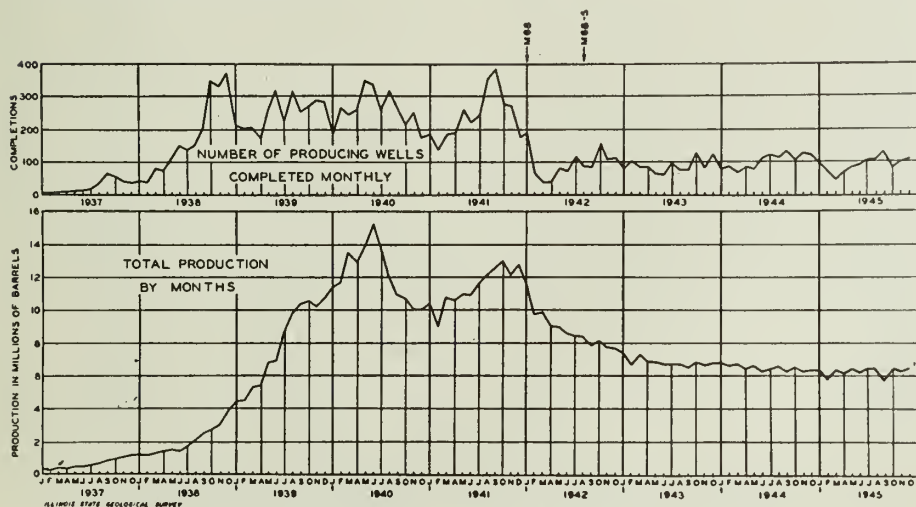


FIG. 1.—NUMBER OF PRODUCING WELLS AND OIL PRODUCTION IN ILLINOIS, 1937-1945.

TABLE 4.—*Wildcat Wells Drilled in Illinois in 1945, Classified by Method of Location*

Method of Location	Wildcat Near		Wildcat Far		Total Wildcats	Total Producers	Percentage Successful
	Total	Producers	Total	Producers			
Geology.....	190	41	145	19	335	60	17.9
Seismograph.....	3	0	11	1	14	1	7.1
Geology and Seismograph.....	17	5	27	4	44	9	20.5
Total scientific.....	210	46	183	24	393	70	17.8
Nonscientific.....	12	0	47	2	59	2	3.4
Unknown.....	6	1	2	0	8	1	1.3
Total.....	228	47	232	26	460	73	16

TABLE 5.—*Summary of Drilling and Initial Production in Illinois for 1945^a*

County	Number of Wells Drilled in 1945			Total Initial Production		Footage Drilled in 1945	
	Total Completions	Total Producing		Oil, Bbl.	Gas, Millions Cu. Ft.	Total	Producing Wells
		Oil	Gas				
Alexander.....	1	0	0	0	0	1,521	0
Bond.....	3	0	0	0	0	2,718	0
Cass.....	1	0	0	0	0	713	0
Christian.....	1	1	0	10	0	1,912	1,912
Clark.....	5	1	0	4	0	5,297	472
Clay.....	105	63	0	7,268	0	294,960	168,786
Clinton.....	27	11	0	214	0	39,077	13,710
Coles.....	93	60	0	10,511	0	185,953	119,235
Crawford.....	7	4	0	8	0	6,487	1,422
Cumberland.....	3	0	0	0	0	7,239	0
Edgar.....	3	0	0	0	0	2,279	0
Edwards.....	145	105	0	15,095	0	406,336	280,122
Effingham.....	88	55	0	7,890	0	242,318	150,423
Fayette.....	9	0	0	0	0	19,061	0
Franklin.....	28	9	0	969	0	84,398	27,226
Gallatin.....	31	15	0	1,412	0	80,488	35,753
Hamilton.....	83	55	0	5,682	0	280,087	183,049
Hancock.....	2	0	0	0	0	2,080	0
Jackson.....	2	0	0	0	0	4,415	0
Jasper.....	40	18	0	4,895	0	110,641	49,634
Jefferson.....	173	120	0	20,079	0	419,555	278,600
Lawrence.....	20	3	0	141	0	36,050	5,624
Logan.....	1	0	0	0	0	494	0
McDonough.....	7	4	0	21	0	3,819	1,977
Macoupin.....	3	2	0	11	0	1,756	1,113
Madison.....	47	33	0	3,463	0	89,628	52,042
Marion.....	62	31	0	2,163	0	120,689	53,087
Montgomery.....	2	0	0	0	0	1,620	0
Moultrie.....	1	0	0	0	0	1,926	0
Perry.....	5	0	0	0	0	8,727	0
Richland.....	151	105	0	23,941	0	469,122	323,754
St. Clair.....	3	0	0	0	0	6,856	0
Saline.....	5	2	0	238	0	15,404	6,312
Sangamon.....	1	0	0	0	0	787	0
Schuyler.....	1	0	0	0	0	710	0
Shelby.....	5	0	0	0	0	6,494	0
Tazewell.....	2	0	0	0	0	3,738	0
Union.....	1	0	0	0	0	1,525	0
Wabash.....	124	79	0	6,524	0	289,670	177,413
Washington.....	25	5	0	191	0	44,368	7,429
Wayne.....	217	139	0	24,480	0	680,970	428,601
White.....	230	159	0	17,445	0	657,826	441,776
	1,763	1,079	0	152,655	0	4,639,714	2,810,072

^a Does not include input wells, salt-water disposal wells, or old wells worked over.

The only type of geophysical exploration reported as being done during the year was seismograph. The number of seismograph parties operating throughout the year, by months, was as follows:

Jan.....	2	July.....	1
Feb.....	2	Aug.....	1
Mar.....	2	Sept.....	2
Apr.....	3	Oct.....	3
May.....	2	Nov.....	3
June.....	0	Dec.....	4
Total party months.....		25	

In terms of party months, the amount of seismograph work done in Illinois in 1945 dropped to about 76 per cent of the 1944 total, which was 33 party months.

DEVELOPMENT

Drilling in Illinois during 1945 was concentrated mainly in 10 counties: Clay, Coles, Edwards, Effingham, Hamilton, Jefferson, Richland, Wabash, Wayne, and White. The last named led in activity for the year with 230 completions, of which 159 were producing wells. Clay County ranked first in number of discoveries, with four new fields, one of which was abandoned during the year. The three new fields that had the greatest number of wells at the end of 1945 were in White, Marion, and Clay Counties.

The average depth of wells drilled for oil or gas in the state in 1945 was 2637 ft., or slightly more than the 2604-ft. average in 1944.

Toward the end of 1945, drilling showed a definite shift from the Tri-State or Lower Wabash River area toward the north. Most notable decline in drilling appeared in such counties as Wabash, Wayne, Clay, and White, with the greatest gains in Coles, Effingham, Jasper, and Richland. The number of wildcat wells being drilled north of the limits of the productive area in the basin also showed a marked increase.

The most outstanding development of the year was the growth of the Mattoon

pool in Coles County. This pool was discovered in 1939, but to the end of 1944, only 12 producing wells had been drilled. Successful completion in July 1945 of a wildcat well about 2 miles southwest of the previously producing area was followed by a period of moderately increased drilling and exploratory testing throughout the area. A series of successful extensions to the north and west of the pool resulted in a total of 61 producing wells completed during 1945, with about 100 wells in progress at the close of the year, or about one third of all drilling activity in the state.

PRODUCTIVE ACREAGE

The area of proved production in the new fields (discovered since 1936) increased from 173,485 acres at the end of 1944 to 189,630 acres at the end of 1945 (Table 1), an increase of 16,145 acres. Of this increase in area, 1540 acres are in fields discovered during 1945 and 14,605 acres are in developments and extensions of fields discovered earlier.

RESERVES

Proved oil reserves added by drilling in Illinois in 1945 are estimated as of Jan. 1, 1946, at 34,000,000 bbl. To this should be added an estimated 7,000,000 bbl. produced up to the end of the year from wells drilled in 1945, making a total of 41,000,000 bbl. of new reserves discovered by 1945 drilling. As 75,000,000 bbl. of oil was produced during 1945, there was a net loss of proved reserves through the year's operations of 34,000,000 bbl. Total Illinois proved reserves as of Jan. 1, 1946, recoverable by wells and methods then in operation are estimated to be 340,000,000 barrels.

ECONOMIC DATA

Prices for crude oil in Illinois remained constant in 1945; \$1.22 per barrel in the old southeastern Illinois field, and \$1.37 per barrel in the rest of the state. The value (at the wells) of the crude oil produced in

TABLE 6.—*Fields with Wells Producing from More than One Formation*

Field	County	Total Number of Combination Wells	Number of Wells and Producing Formations ^a
Aden Consolidated.....	Hamilton, Wayne	17	3BiC, 1WC
Akin.....	Franklin	1	1AM
Albion Consolidated.....	Edwards	34	2BrBi, 1BrBiB, 1BrDA, 2BrH, 1BrA, 1BiWTM, 1BiWReA, 1BiWReM, 8BiW, 1BiWRe, 1BiWLM, 1BiB, 1WPAL, 2WReA, 1WBA, 1WReAM, 1WReM, 1WReB, 1CAM, 1BA, 1BrE, 1BrEA, 1ReA, 1ReAM
Albion East.....	Edwards	3	1CAM, 1PB, 1LM
Allendale.....	Wabash, Lawrence	4	3BiC, 1WC
Bennington.....	Edwards, Wayne	1	1LM
Benton North.....	Franklin	2	1PA, 1LM
Bible Grove.....	Clay, Effingham	9	1CM, 8RM
Blairsville.....	Hamilton	3	2AM, 1ALM
Boos North.....	Jasper	3	3RM
Boyd.....	Jefferson	35	33BA, 2BAL
Boyleston Consolidated.....	Wayne	10	3AM, 1ALM, 1RM, 5LM
Browns.....	Edwards, Wabash	6	1CB, 1CBM, 4CM
Brownsville.....	White	5	1PA, 1PLR, 2LR, 1RM
Burnt Prairie.....	White	4	4AM
Calhoun.....	Richland	3	3LM
Calhoun North.....	Richland	1	1RM
Calvin North.....	White	8	1BiCA, 1CA, 1CBA, 2BA, 1BAM, 1BRM, 1AR
Carmi North.....	White	1	1CA
Centerville East.....	White	3	1TC, 1TA, 1TL
Centralia.....	Clinton, Marion	29	29CB
Cisne.....	Wayne	14	1AR, 7ARM, 3AM, 3RM
Clay City Consolidated.....	Clay, Wayne	86	1CA, 1CAM, 1CR, 5CM, 36AM, 8ARM, 1AR, 1ALM, 5LM, 27RM
Coil West.....	Jefferson	4	1AM, 1AL, 1ALM, 1LRM
Concord.....	White	10	3TM, 2CM, 1CA, 3AM, 1LM
Cowling.....	Edwards, Wabash	2	2CB
Dale-Hoodville Consolidated	Hamilton	84	5TC, 5TA, 1TCBA, 3CA, 4CBA, 1PA, 60BA, 1ARM, 4AM
Divide.....	Jefferson	1	1LM
Divide West.....	Jefferson	4	1LM, 3RM
Dundas Consolidated.....	Richland, Jasper	14	2AM, 12RM
Ellery.....	Edwards, Wayne	1	1AM
Exchange.....	Marion	1	1LM
Flora.....	Clay	1	1AM
Friendsville.....	Wabash	6	2BiPa, 1BiPaC, 2BiC, 1PaC
Goldengate Consolidated.....	Wayne	28	1AR, 6AM, 21LM
Goldengate North.....	Wayne	2	2LM
Grayville.....	Edwards, White	1	1PaC
Herald.....	White, Gallatin	3	1TC, 1TA, 1CA
Inman East.....	Gallatin	11	1CiPa, 2CiT, 1CiPaWT, 1PaW, 1PaWT, 2WT, 1WC, 2TC
Inman West.....	Gallatin	5	5TC
Iola.....	Clay	30	1TA, 15CPBA, 9BA, 1BrEA, 3PBA, 1RM
Iron.....	White	5	1TW, 3TH, 1CB
Irvington.....	Washington	5	3CB, 2BA
Johnsonville Consolidated.....	Wayne	32	19AM, 5ALM, 8LM
Johnsonville North.....	Wayne	1	1LM
Keensburg Consolidated.....	Wabash	10	2BiC, 1CP, 7CB
Kenner.....	Clay	1	1BA
King.....	Jefferson	2	1AL, 1ALRM
Lancaster.....	Wabash, Lawrence	1	1LM
Leech Twp.....	Wayne	1	1AL
Louden.....	Payette, Effingham	633	123CB, 211CP, 3CA, 209CPB, 1CPA, 9CBA, 7CPBA, 47PB, 2PA, 13PBA, 8BA, 13BA, 1BAR, 1BAM, 1AM, 2RM
Mason South.....	Effingham	18	18CR, 2CRM
Mattoon.....	Coles	20	1WM, 1BRM
Maud.....	Wabash	2	1CB, 1PA, 2BA
Maunie North.....	White	4	1DT, 3PaT, 1TC, 1RM
Maunie South.....	White	6	3AL
Mill Shoals.....	White	3	2PeC, 1BrC, 1PeT, 2JC, 5BiC, 2BiB, 1BiM, 3BiCM, 5TC, 1TB, 1JaC, 8CM, 1CB, 2RM, 1LR, 2LRM, 2LM
Mt. Carmel.....	Wabash	40	1LM
Mt. Vernon.....	Jefferson	1	2WC, 10WCB, 1WTB, 5WCBA, 1WB, 1TM, 1TP, 1TCP, 8TC, 30CB, 1CPB, 13CA, 7CBA, 7CBM, 1CM, 14PA, 1PAR, 15BA, 5AM, 1PeBA, 1BiCA, 2WCBAM, 1WM, 1WBM, 1WCA, 1WT, 1WTC, 1WBA, 1TPB, 1TB, 1TCM, 5CP, 13CBAM, 1CPM, 1CPBAM, 2CPA, 32PB, 1RM, 1RM
New Harmony-Griffin Con- solidated.....	White, Wabash	93	

TABLE 6.—(Continued)

Field	County	Total Number of Combination Wells	Number of Wells and Producing Formations ^a
New Haven.....	White	5	3TC, 1CA, 1CAM
Noble.....	Richland, Clay	5	3CM, 2LM
Noble North.....	Richland	1	1CM
Parkersburg Consolidated.....	Richland, Edwards	7	6CM, 1RM
Passport.....	Clay	1	1RM
Patton.....	Wabash	1	1RM
Patton West.....	Wabash	4	1CB, 1CL, 1CM, 1RM
Phillipstown Consolidated.....	White	16	1PeT, 1PeD, 1PeB, 1DCl, 3CIT, 1TP, 5BA, 1BM, 2RM
Roaches.....	Jefferson	3	3RM
Roland.....	White, Gallatin	34	7WTB, 6WB, 10WA, 1WCBA, 1WBA, 1TCALM, 5CB, 1CBA, 1CPA, 3CA
Rural Hill.....	Hamilton	67	2CAL, 1CPAL, 1CBAL, 19AL, 39AM, 14ALM
Sailor Springs Consolidated.....	Clay	4	3TC, 1G
Salem.....	Marion	935	577BA, 2BAMS, 2BM, 310MS, 1RM, 3MS, 1SD, 39DT
Sesser.....	Franklin	1	1RM
Sims.....	Wayne	22	15AM, 4ALM, 3LM
Stanford.....	Clay	1	1RM
Storms.....	White	10	1TP, 1TA, 2CP, 3CB, 2CA, 1PA
Tonti.....	Marion	2	2BA
Whittington.....	Franklin	1	1MSt
Woodlawn.....	Jefferson	12	12BA
		2,500	

^a Names of sands are indicated as follows:

Pe, Pennsylvanian	D, Degonia	H, Hardinsburg	Re, Renault	St, St. Louis
Br, Bridgeport	Cl, Clore	Ja, Jackson	A, Aux Vases	S, Salem
Bi, Biehl	W, Waltersburg	C, Cypress	L, Lower O'Hara	D, Devonian
J, Jordan	T, Tar Springs	P, Paint Creek	R, Rosiclare	Tr, Trenton
Pa, Palestine	G, Glen Dean	B, Bethel	M, McClosky	

TABLE 7.—Natural Gas Produced in Illinois and Marketed in 1945

Field	County	Where Marketed	Amount Marketed, M Cu. Ft.
Russellville (gas).....	Lawrence	Illinois, Indiana, Kentucky	430,000
Ayers (gas).....	Bond	Greenville, Ill.	15,600
Louden (gas wells).....	Fayette	Vandalia, St. Elmo, Brownstown, Ill.	32,000
Louden (residue).....	Fayette	Vandalia, St. Elmo, Brownstown, Ill.	578,000

Illinois in 1945, exclusive of premium payments, is estimated to be \$102,424,000.

Price premiums amounting to \$1,959,440 were paid by the Reconstruction Finance Corporation for 6,784,680 bbl. of crude oil produced from Illinois stripper wells in the first 10 months of 1945, according to J. H. Reppert,* Associate Director, Fuel Price Division, Office of Price Administration, Washington, D. C. This is an average

premium of 28.9¢ per barrel. On the basis of this 10-month record, it is estimated that total premiums of \$2,351,000 were paid for about 8,142,000 bbl. of crude oil during the year 1945.

The following table shows the numbers of pools and wells in Illinois eligible for the various rates of premium in 1945.

POOLS	WELLS	PREMIUM
34	12,701	\$0.35
17	1,387	0.25
18	1,130	0.20

* Personal communication March 27, 1946.

Total..... 69 15,218

PIPE LINES

Construction of pipe lines in Illinois during 1945 was confined to short lines con-

lished Mattoon Station, sec. 30, T. 13 N., R. 8 E., Coles County; 5 miles 3-in., Divide West and Divide fields to Ashland's line in Coil West field.

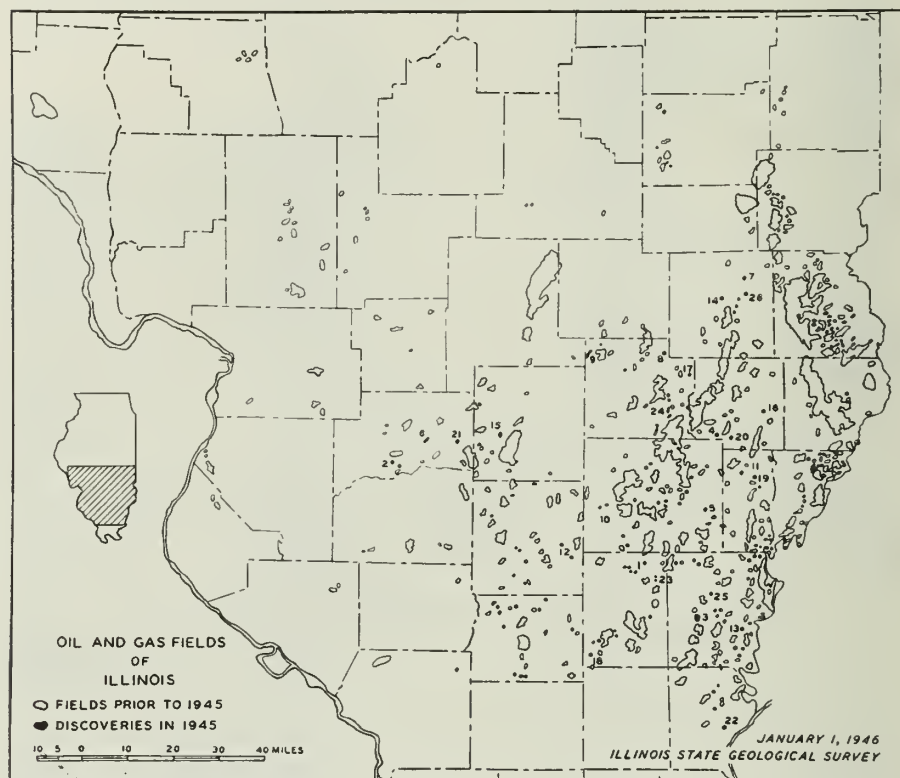


FIG. 2.

- | | | |
|----------------------|------------------------|------------------------|
| 1. Aden South. | 10. Keenville. | 19. Samsville North. |
| 2. Bartelso West. | 11. Maple Grove South. | 20. Seminary. |
| 3. Brownsville. | 12. Markham City West. | 21. Shattuc. |
| 4. Gallagher. | 13. Maunie West. | 22. Shawneetown. |
| 5. Goldengate North. | 14. Newton North. | 23. Springerton. |
| 6. Huey. | 15. Odin. | 24. Stanford. |
| 7. Hunt City. | 16. Parkersburg North. | 25. Sumpter. |
| 8. Ingraham West. | 17. Passport. | 26. Willow Hill North. |
| 9. Iola West. | 18. Rural Hill West. | |

necting new productive areas to pre-existing outlets, except for the one trunk line completion by the Texas-Empire Pipe Line Co., indicated in the detailed statement below:

Crude Oil

Ashland Pipe Line Co.—3 miles 3-in., northern Mattoon field to Texas-Empire's re-estab-

Interstate Pipe Line Co.—3 miles 4-in., northern Mattoon field to Texas Empire's Mattoon Station, Coles County; 21 miles 8-in., southern Mattoon field, Coles County, to Ohio's Montrose station, Effingham County; 6 miles 6-in., northern Mattoon field to the northern terminus of Interstate's new 8-in. line in southern Mattoon field, Coles County.

Kingwood-Breuil Consolidated Pipe Line Co.—3 miles 3-in., Ingraham West field to Bible Grove gathering system, Clay County.

Pure Oil Co.—2 miles 4-in., Willow Hill North field to terminus of Pure Transportation Company's new line in Willow Hill field, Jasper County; 6 miles 4-in., Brownsville field to Enfield station, White County; 3 miles 4-in., Stanford field to Clay City Consolidated gathering system, through this to Weiler (Clay City) station, Clay County.

Pure Transportation Co.—2 miles 6-in., Willow Hill pool east to the Pure Transportation Co.'s 10-in. Noble-Martinsville line, Jasper County.

Sohio Pipe Line Co.—18 miles 3-in., Cordes field to terminus of Sohio's 4-in. line in Irvington field, Washington Co. (former connections at Cordes to railroad loading dock have been removed); 2 miles 4-in., extension of Calhoun-Olney line to south side of extended Calhoun field, where new station is installed, Richland County; 2 miles 2-in., Blairsville field to Texas' pumping station, Hamilton County; 9 miles 2-in., West End field to junction with Sohio's Benton-Hoodville 6-in. line, Hamilton County.

Stanolind Pipe Line Co.—8 miles 16-in., Fort Madison (Iowa), to Niota, Hancock County (Ill.).

Texas-Empire Pipe Line Company—164 miles 12-in., several points along the pre-existing 12-in. line from the Missouri boundary to Heyworth Station, McLean County, completing Texas-Empire's loop system of 2-12-in. across Illinois.

The Texas Pipe Line Co.—3 miles 2-in., Springerton field to Texas' 6-in. line in Bungay field, Hamilton County.

Gas

Panhandle Eastern Pipe Line Co.—20 miles 6-in., Tuscola station to Mattoon, Douglas and Coles counties.

REFINERIES

No new refineries were constructed in Illinois in 1945. Total daily refinery capacity at the end of the year was about 314,000 bbl. of crude oil.

During 1945, production of crude petroleum in Illinois amounted to 75,210,000 bbl. This is 27.2 per cent of runs to stills for refineries in the Central Refining district (Illinois, Indiana, Kentucky, Michigan, western Ohio, and Wisconsin).

Stocks of crude petroleum on hand in Illinois on Dec. 31, 1945, were 16,066,000 bbl. as compared with 14,390,000 bbl. on Dec. 31, 1944. Stocks of refined products in the Central Refining district on Dec. 31, 1945, according to the U. S. Bureau of Mines, were as follows:

PRODUCT	DEC. 31, 1945, BBL.	DEC. 31, 1944, BBL.
Gasoline.....	20,720,000	19,675,000
Kerosine.....	1,769,000	2,362,000
Gas, oil and distillate fuel.....	5,773,000	6,429,000
Residual fuel oil.....	2,578,000	3,060,000

NATURAL GAS, NATURAL GASOLINE, AND LIQUEFIED PETROLEUM GAS

The total gas production in Illinois in 1945 is estimated at approximately 50 billion cubic feet. As indicated in Table 7, approximately one per cent of this was produced as dry gas from the Russellville and Ayers gas fields in Lawrence and Bond Counties, and from dry gas wells in the Loudon field in Fayette County. The gas produced from oil wells in this state is largely unmetered, and accurate figures concerning its utilization are unobtainable.

Approximately 21 billion cubic feet of gas was processed in natural gasoline plants in the Benton, Dale-Hoodville, Loudon, New Harmony, Salem and Southeastern fields. According to a preliminary estimate by the U. S. Bureau of Mines,* 55,233,000 gal. of natural gasoline and 120,683,000 gal. of liquefied petroleum gases were produced in these plants in Illinois during 1945. A little more than half of the 15 billion cubic feet of residue gas from the natural gasoline plants was re-injected into the producing formations or other oil sands. Slightly more than one third of the residue gas from these plants was used as lease or plant fuel. A little more than one half billion cubic feet

* F. S. Lott, personal communication.

of gas was sold for residential and commercial use as indicated in Table 7, and approximately one billion cubic feet of residue was not utilized.

Well over half of the gas produced from oil wells in the fields with no gasoline plants was used as lease fuel and a small amount was injected into producing sands. Possibly one sixth to one eighth of all the gas produced in Illinois during 1945 was allowed to escape and was burned in flares.

SECONDARY RECOVERY

Gas repressuring has been continued in practically all the fields where it was in use in 1944, and has been extended slightly in the Crawford County area and on the Bridgeport sand in Lawrence County. The process has also been extended in the new fields at Albion, Boyleston Consolidated, Dahlgren, and Phillipstown Consolidated. The large operations at Salem, Loudon, New Harmony-Griffin Consolidated and Rural Hill are being continued successfully.

Water-flooding was continued with conspicuous success in the Siggins, Patoka, and

basin McClosky areas. These three operations have produced about 2,700,000 bbl. of oil by water-flooding up to the end of 1945, of which approximately 1,600,000 bbl. was obtained in 1945. Several new projects are being considered for the present year.

OUTLOOK FOR 1946

Drilling is expected to continue during 1946 at nearly the same rate as in 1945, with possibly an increase in wildcat testing due to the expiration of 10-year leases in the Illinois basin. Market demand for crude oil and refined products will probably continue high during 1946.

ACKNOWLEDGMENTS

The writers are indebted to many oil and gas companies, pipe-line companies, and refining companies for data used in this report. The following members of the Survey staff assisted in preparing the report: Walter H. Voskuil, Frederick Squires, David H. Swann, Wayne F. Meents, James S. Yolton, and Sue R. Anderson.

FOOTNOTES TO COLUMN HEADINGS,
TABLE I

^a All fields to be listed alphabetically and if by counties the latter also in alphabetical order. If the field is a gas field, or is primarily a gas-producing field, indicate by asterisk immediately after the name of the field, as, for example, Katy,* *Waller*.

^{b,d} Total area in surface acres in the field proved for production.

^c Total production barrels of oil and/or distillate or condensate; and show by footnote, where possible, the amount of distillate or condensate production.

^e Volume of gas produced from the field and not returned to the reservoir.

^f Include all original completions, but exclude workovers and wells deepened or plugged back. *Abandoned* refers only to wells abandoned after having produced oil and/or gas and is not to include wells abandoned without having secured production.

^g A well producing both oil and gas is classified as an oil well, unless it has been designated as a gas well by the State regulatory agency. Gas wells are wells producing gas only, wells producing condensate or distillate, and wells producing some oil but classified as gas wells by the State regulatory agency.

^h Show type of operation as indicated by the following symbols: P, pressure maintenance; G, gas injection; W, water injection; C, cycling.

ⁱ Show weighted average gravity A.P.I. at 60°F. as oil is delivered to the pipe lines, and percentage of sulphur, if any, in the oil. Where oils from more than one stratum are commingled and delivered into the pipe line at a gravity of 26 to 26.9, show as 26°, etc.

^j Show name of producing formation, and show its age by abbreviation as follows: Cam, Cambrian; Ord, Ordovician; Sil, Silurian; Dev, Devonian; Mis, Mississippian; MisL, Lower Mississippian; MisU, Upper Mississippian;

Pen, Pennsylvanian; Per, Permian; Tri, Triassic; Jur, Jurassic; CreL, Lower Cretaceous; CreU, Upper Cretaceous; Eoc, Eocene; Olig, Oligocene; Mio, Miocene; Pli, Pliocene.

^k Show character of formation by code letter as follows: A, anhydrite; C, chalk; Cg, conglomerate; Ch, chert; CR, cap rock; D, dolomite; Da, arkosic dolomite; Gw, granite wash; Sh, shale; L, limestone; LS, limestone, sandy; OL, oolitic limestone; S, sandstone.

^l Figures represent ratio of pore space to total volume of net reservoir rock expressed in per cent. P indicates reservoir rock is of porous type, but ratio is not known by the author. Cav indicates that the reservoir rock is of cavernous type; and Fis, fissure type.

^m Show actual depth to top of producing stratum. If producing zone is a series of interbedded sands and shales, and the sands are all productive or capable of producing, show the depth to top of top sand member.

ⁿ Show actual average thickness that is producing or known to be productive. If, for example, average thickness of productive zone above water level is 50 feet, show 50 feet, even though wells are completed in only upper 10 or 15 feet of zone.

^o A, anticlinal; AF, anticlinal with faulting as important factor; Af, anticlinal with faulting as minor factor; AM, accumulation due to both anticlinal and monocline structure; D, dome; DS, salt dome; H, strata are horizontal or nearly horizontal; MC, monocline with accumulation due to change in character of stratum; MF, monocline-fault; MI, monocline with accumulation against igneous barrier; ML, monocline-lens; MU, monocline-unconformity; MP, monocline with accumulation due to sealing at outcrop by asphalt; N, nose; S, syncline; T, terrace; TF, terrace with faulting as important factor.

^p Show name of deepest stratigraphic zone tested and total depth of well which tested such zone, whether it is deepest well in field or not.

^x *Correct entry not determinable.*

